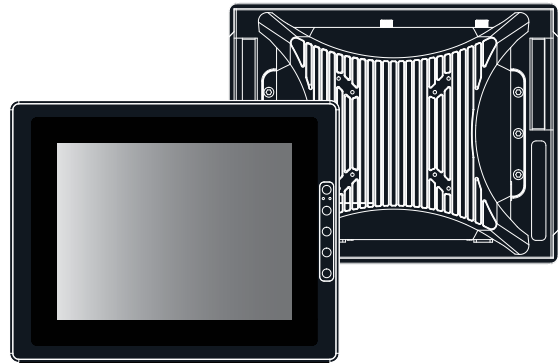


VIO-110/PC300

10.4" SVGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor

FEATURES

- 10.4" TFT SVGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 5W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	10.4" (4:3)
Max. Resolution	800 x 600 (SVGA)
Brightness (cd/m ²)	400
Contrast Ratio	700:1
LCD Color	16.2M
Pixel Pitch (mm)	0.264 (H) x 0.264 (V)
Viewing Angle (H-V)	160 / 130
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-110R/PC300 Only
Projected Capacitive	VIO-110C/PC300 Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
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OTHER FEATURES

Internal Speaker	AMP 5W + 5W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

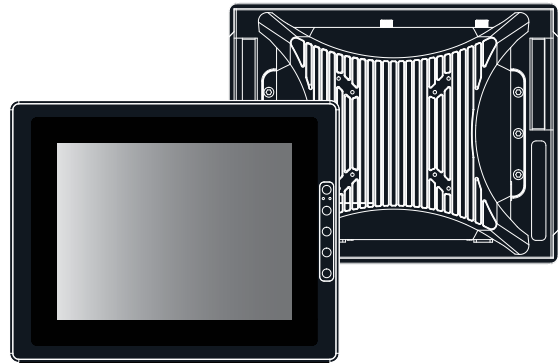
Front Panel Construction	Die-cast Flat Surface
Dimension	300 (W) x 238.5 (D) x 64.7 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-110/PC311P

10.4" SVGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor, 1x PCI Expansion

FEATURES

- 10.4" TFT SVGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 1x PCIe x4
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 5W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	10.4" (4:3)
Max. Resolution	800 x 600 (SVGA)
Brightness (cd/m ²)	400
Contrast Ratio	700:1
LCD Color	16.2M
Pixel Pitch (mm)	0.264 (H) x 0.264 (V)
Viewing Angle (H-V)	160 / 130
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-110R/PC311P Only
Projected Capacitive	VIO-110C/PC311P Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
PCI	1x PCI

OTHER FEATURES

Internal Speaker	AMP 5W + 5W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Universal I/O Bracket	1x Universal I/O Bracket (By mini PCIe interface)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

Front Panel Construction	Die-cast Flat Surface
Dimension	300 (W) x 238.5 (D) x 86.7 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-112/PC300

12.1" XGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor

FEATURES

- 12.1" TFT XGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 5W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	12.1" (4:3)
Max. Resolution	1024 x 768 (XGA)
Brightness (cd/m ²)	500
Contrast Ratio	700:1
LCD Color	16.2M
Pixel Pitch (mm)	0.24 (H) x 0.24 (V)
Viewing Angle (H-V)	160 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-112R/PC300 Only
Projected Capacitive	VIO-112C/PC300 Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
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OTHER FEATURES

Internal Speaker	AMP 5W + 5W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

Front Panel Construction	Die-cast Flat Surface
Dimension	338 (W) x 262 (D) x 61.7 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-112/PC311P

12.1" XGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor, 1x PCI Expansion

FEATURES

- 12.1" TFT XGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 1x PCI
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 5W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	12.1" (4:3)
Max. Resolution	1024 x 768 (XGA)
Brightness (cd/m ²)	500
Contrast Ratio	700:1
LCD Color	16.2M
Pixel Pitch (mm)	0.24 (H) x 0.24 (V)
Viewing Angle (H-V)	160 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-112R/PC311P Only
Projected Capacitive	VIO-112C/PC311P Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
PCI	1x PCI

OTHER FEATURES

Internal Speaker	AMP 5W + 5W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Universal I/O Bracket	1x Universal I/O Bracket (By mini PCIe interface)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

Front Panel Construction	Die-cast Flat Surface
Dimension	338 (W) x 262 (D) x 83.7 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-112/PC311E

12.1" XGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor, 1x PCIe x4 Expansion

FEATURES

- 12.1" TFT XGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 1x PCIe x4
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 5W Internal Speakers Built-in
- Multi-language OSD built-in

SPECIFICATIONS

DISPLAY

LCD Size	12.1" (4:3)
Max. Resolution	1024 x 768 (XGA)
Brightness (cd/m ²)	500
Contrast Ratio	700:1
LCD Color	16.2M
Pixel Pitch (mm)	0.24 (H) x 0.24 (V)
Viewing Angle (H-V)	160 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-112R/PC311E Only
Projected Capacitive	VIO-112C/PC311E Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
PCI Express	1x PCIe x4

OTHER FEATURES

Internal Speaker	AMP 5W + 5W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language



I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Universal I/O Bracket	1x Universal I/O Bracket (By mini PCIe interface)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

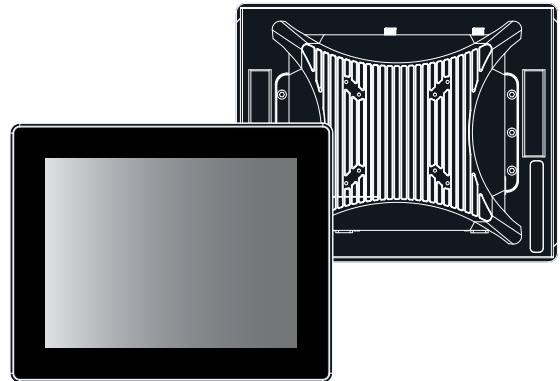
Front Panel Construction	Die-cast Flat Surface
Dimension	338 (W) x 262 (D) x 83.7 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-212/PC300

12.1" XGA Resistive / Capacitive Touch Thin Frame Panel PC with Intel® Core™ i5/i3 or Celeron® Processor

FEATURES

- 12.1" TFT XGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 5W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY	
LCD Size	12.1" (4:3)
Max. Resolution	1024 x 768 (XGA)
Brightness (cd/m ²)	500
Contrast Ratio	700:1
LCD Color	16.2M
Pixel Pitch (mm)	0.24 (H) x 0.24 (V)
Viewing Angle (H-V)	160 / 160
Backlight MTBF	50000 hrs (LED Backlight)
TOUCH	
Resistive 5-wire	VIO-212R/PC300 Only
Projected Capacitive	VIO-212C/PC300 Only
SYSTEM	
Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset
STORAGE	
SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket
EXPANSION	
Mini PCI Express	2x Full-size Mini PCIe
OTHER FEATURES	
Internal Speaker	AMP 5W + 5W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O	
VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM	
Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER	
Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT	
Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

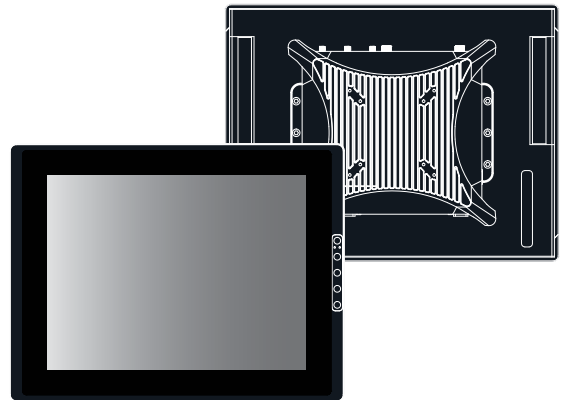
PHYSICAL	
Front Panel Construction	Die-cast Flat Surface
Dimension	319 (W) x 257 (D) x 61.7 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-115/PC300

15" XGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor

FEATURES

- 15" TFT XGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	15" (4:3)
Max. Resolution	1024 x 768 (XGA)
Brightness (cd/m ²)	350
Contrast Ratio	700:1
LCD Color	16.2M
Pixel Pitch (mm)	0.297 (H) x 0.297 (V)
Viewing Angle (H-V)	170 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-115R/PC300 Only
Projected Capacitive	VIO-115C/PC300 Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
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OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 65°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

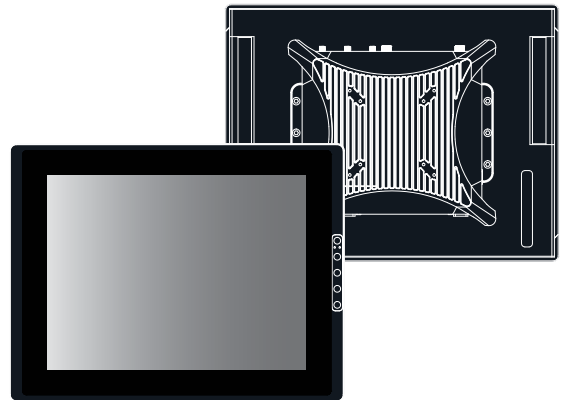
Front Panel Construction	Die-cast Flat Surface
Dimension	397 (W) x 306 (D) x 64.7 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-115/PC311P

15" XGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor, 1x PCI Expansion

FEATURES

- 15" TFT XGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 1x PCI
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	15" (4:3)
Max. Resolution	1024 x 768 (XGA)
Brightness (cd/m ²)	350
Contrast Ratio	700:1
LCD Color	16.2M
Pixel Pitch (mm)	0.297 (H) x 0.297 (V)
Viewing Angle (H-V)	170 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-115R/PC311P Only
Projected Capacitive	VIO-115C/PC311P Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
PCI	1x PCI

OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Universal I/O Bracket	1x Universal I/O Bracket (By mini PCIe interface)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 65°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

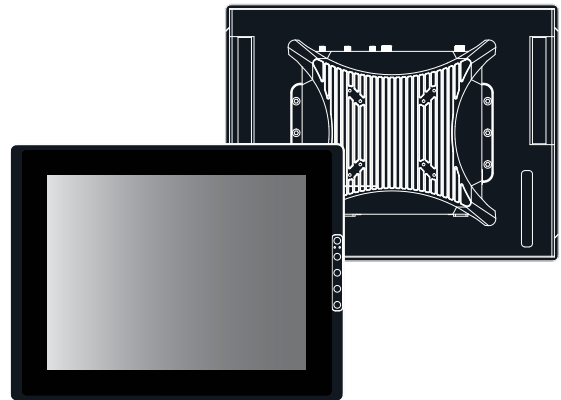
Front Panel Construction	Die-cast Flat Surface
Dimension	397 (W) x 306 (D) x 86.7 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-115/PC311E

15" XGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor, 1x PCIe x4 Expansion

FEATURES

- 15" TFT XGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 1x PCIe x4
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	15" (4:3)
Max. Resolution	1024 x 768 (XGA)
Brightness (cd/m ²)	350
Contrast Ratio	700:1
LCD Color	16.2M
Pixel Pitch (mm)	0.297 (H) x 0.297 (V)
Viewing Angle (H-V)	170 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-115R/PC311E Only
Projected Capacitive	VIO-115C/PC311E Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
PCI Express	1x PCIe x4

OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Universal I/O Bracket	1x Universal I/O Bracket (By mini PCIe interface)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 65°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

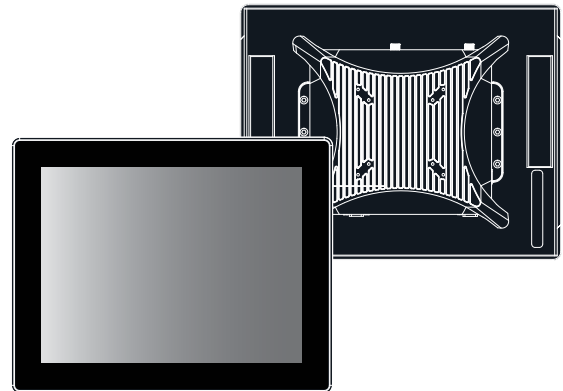
Front Panel Construction	Die-cast Flat Surface
Dimension	397 (W) x 306 (D) x 86.7 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-215/PC300

15" XGA Resistive / Capacitive Touch Thin Frame Panel PC with Intel® Core™ i5/i3 or Celeron® Processor

FEATURES

- 15" TFT XGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY	
LCD Size	15" (4:3)
Max. Resolution	1024 x 768 (XGA)
Brightness (cd/m²)	350
Contrast Ratio	700:1
LCD Color	16.2M
Pixel Pitch (mm)	0.297 (H) x 0.297 (V)
Viewing Angle (H-V)	170 / 160
Backlight MTBF	50000 hrs (LED Backlight)
TOUCH	
Resistive 5-wire	VIO-215R/PC300 Only
Projected Capacitive	VIO-215C/PC300 Only
SYSTEM	
Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset
STORAGE	
SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket
EXPANSION	
Mini PCI Express	2x Full-size Mini PCIe
OTHER FEATURES	
Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O	
VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM	
Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER	
Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT	
Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 65°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

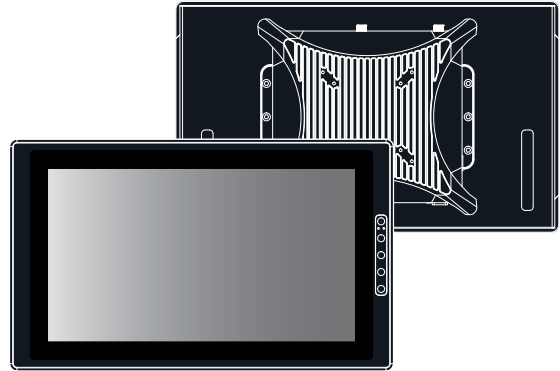
PHYSICAL	
Front Panel Construction	Die-cast Flat Surface
Dimension	377 (W) x 301 (D) x 64.7 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-W115/PC300

15.6" 16:9 Full HD Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor

FEATURES

- 15.6" Full HD 16:9 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 70°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	15.6" (16:9)
Max. Resolution	1920 x 1080 (Full HD)
Brightness (cd/m ²)	400
Contrast Ratio	700:1
LCD Color	16.7M
Pixel Pitch (mm)	0.17925 (H) x 0.17925 (V)
Viewing Angle (H-V)	160 / 140
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-W115R/PC300 Only
Projected Capacitive	VIO-W115C/PC300 Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
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OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 70°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

Front Panel Construction	Die-cast Flat Surface
Dimension	432 (W) x 261 (D) x 70.7 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

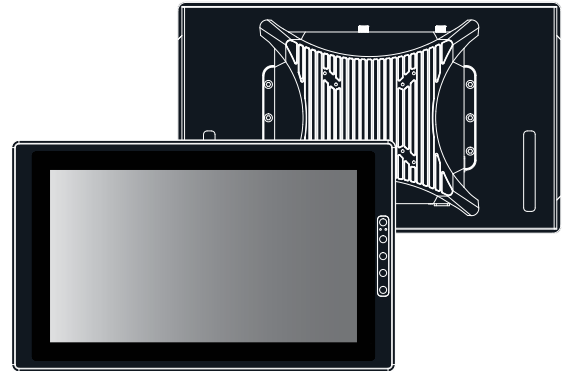


VIO-W115/PC311P

15.6" 16:9 Full HD Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor, 1x PCI Expansion

FEATURES

- 15.6" Full HD 16:9 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 1x PCI
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 70°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	15.6" (16:9)
Max. Resolution	1920 x 1080 (Full HD)
Brightness (cd/m ²)	3400
Contrast Ratio	700:1
LCD Color	16.7M
Pixel Pitch (mm)	0.17925 (H) x 0.17925 (V)
Viewing Angle (H-V)	160 / 140
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-W115R/PC311P Only
Projected Capacitive	VIO-W115C/PC311P Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
PCI	1x PCI

OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Universal I/O Bracket	1x Universal I/O Bracket (By mini PCIe interface)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 70°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

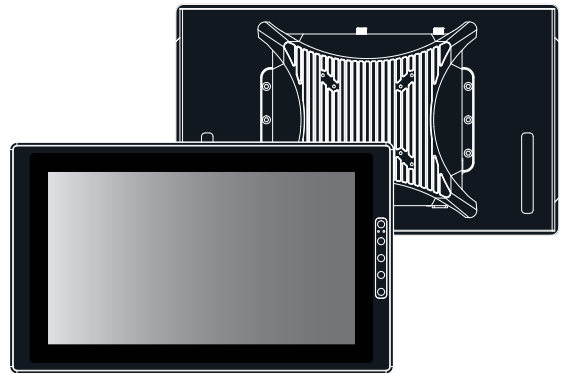
Front Panel Construction	Die-cast Flat Surface
Dimension	432 (W) x 261 (D) x 92.5 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-W115/PC311E

15.6" 16:9 Full HD Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor, 1x PCIe x4 Expansion

FEATURES

- 15.6" Full HD 16:9 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 1x PCIe x4
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 70°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	15.6" (16:9)
Max. Resolution	1920 x 1080 (Full HD)
Brightness (cd/m ²)	3400
Contrast Ratio	700:1
LCD Color	16.7M
Pixel Pitch (mm)	0.17925 (H) x 0.17925 (V)
Viewing Angle (H-V)	160 / 140
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-W115R/PC311E Only
Projected Capacitive	VIO-W115C/PC311E Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
PCI Express	1x PCIe x4

OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Universal I/O Bracket	1x Universal I/O Bracket (By mini PCIe interface)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 70°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

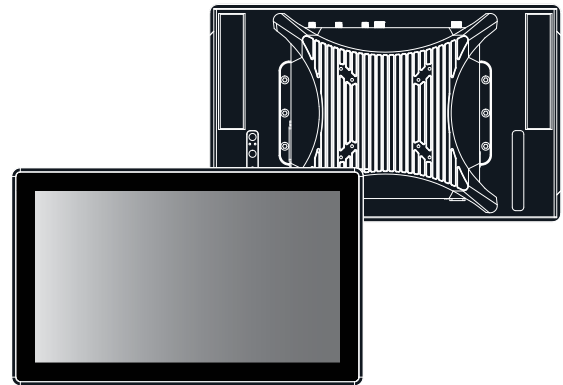
Front Panel Construction	Die-cast Flat Surface
Dimension	432 (W) x 261 (D) x 92.5 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-W215/PC300

15.6" 16:9 Full HD Resistive / Capacitive Touch Thin Frame Panel PC with Intel® Core™ i5/i3 or Celeron® Processor

FEATURES

- 15.6" Full HD 16:9 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 70°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	15.6" (16:9)
Max. Resolution	1920 x 1080 (Full HD)
Brightness (cd/m ²)	400
Contrast Ratio	700:1
LCD Color	16.7M
Pixel Pitch (mm)	0.17925 (H) x 0.17925 (V)
Viewing Angle (H-V)	160 / 140
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-W215R/PC300 Only
Projected Capacitive	VIO-W215C/PC300 Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
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OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 70°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

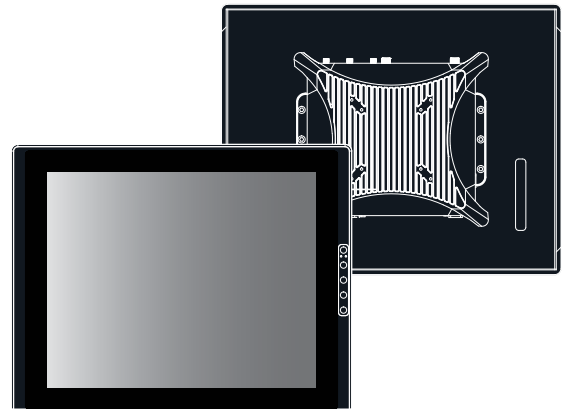
Front Panel Construction	Die-cast Flat Surface
Dimension	398 (W) x 247 (D) x 70.7 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-117/PC300

17" SXGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor

FEATURES

- 17" TFT SXGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	17" (4:3)
Max. Resolution	1280 x 1024 (SXGA)
Brightness (cd/m ²)	350
Contrast Ratio	800:1
LCD Color	16.7M
Pixel Pitch (mm)	0.264 (H) x 0.264 (V)
Viewing Angle (H-V)	170 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-117R/PC300 Only
Projected Capacitive	VIO-117C/PC300 Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
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OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

Front Panel Construction	Die-cast Flat Surface
Dimension	431.5 (W) x 344 (D) x 70.5 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-117/PC311P

17" SXGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor, 1x PCI Expansion

FEATURES

- 17" TFT SXGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 1x PCI
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in

SPECIFICATIONS

DISPLAY

LCD Size	17" (4:3)
Max. Resolution	1280 x 1024 (SXGA)
Brightness (cd/m ²)	350
Contrast Ratio	800:1
LCD Color	16.7M
Pixel Pitch (mm)	0.264 (H) x 0.264 (V)
Viewing Angle (H-V)	170 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-117R/PC311P Only
Projected Capacitive	VIO-117C/PC311P Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
PCI	1x PCI

OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language



I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Universal I/O Bracket	1x Universal I/O Bracket (By mini PCIe interface)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

Front Panel Construction	Die-cast Flat Surface
Dimension	431.5 (W) x 344 (D) x 92.5 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-117/PC311E

17" SXGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor, 1x PCIe x4 Expansion

FEATURES

- 17" TFT SXGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 1x PCIe x4
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in

SPECIFICATIONS

DISPLAY

LCD Size	17" (4:3)
Max. Resolution	1280 x 1024 (SXGA)
Brightness (cd/m ²)	350
Contrast Ratio	800:1
LCD Color	16.7M
Pixel Pitch (mm)	0.264 (H) x 0.264 (V)
Viewing Angle (H-V)	170 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-117R/PC311E Only
Projected Capacitive	VIO-117C/PC311E Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
PCI Express	1x PCIe x4

OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language



I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Universal I/O Bracket	1x Universal I/O Bracket (By mini PCIe interface)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

Front Panel Construction	Die-cast Flat Surface
Dimension	431.5 (W) x 344 (D) x 92.5 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-217/PC300

17" SXGA Resistive / Capacitive Touch Thin Frame Panel PC with Intel® Core™ i5/i3 or Celeron® Processor

FEATURES

- 17" TFT SXGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	17" (4:3)
Max. Resolution	1280 x 1024 (SXGA)
Brightness (cd/m ²)	350
Contrast Ratio	800:1
LCD Color	16.7M
Pixel Pitch (mm)	0.264 (H) x 0.264 (V)
Viewing Angle (H-V)	170 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-217R/PC300 Only
Projected Capacitive	VIO-217C/PC300 Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
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OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 70°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

Front Panel Construction	Die-cast Flat Surface
Dimension	407.5 (W) x 339 (D) x 70.5 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-119/PC300

19" SXGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor

FEATURES

- 19" TFT SXGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 50°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	19" (4:3)
Max. Resolution	1280 x 1024 (SXGA)
Brightness (cd/m ²)	350
Contrast Ratio	1000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.294 (H) x 0.294 (V)
Viewing Angle (H-V)	170 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-119R/PC300 Only
Projected Capacitive	VIO-119C/PC300 Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
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OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 50°C
Storage Temp.	-20°C to 60°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

Front Panel Construction	Die-cast Flat Surface
Dimension	470 (W) x 380 (D) x 71 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-119/PC311P

19" SXGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor, 1x PCI Expansion

FEATURES

- 19" TFT SXGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 1x PCI
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 50°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in

SPECIFICATIONS

DISPLAY

LCD Size	19" (4:3)
Max. Resolution	1280 x 1024 (SXGA)
Brightness (cd/m ²)	350
Contrast Ratio	1000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.294 (H) x 0.294 (V)
Viewing Angle (H-V)	170 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-119R/PC311P Only
Projected Capacitive	VIO-119C/PC311P Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
PCI	1x PCI

OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language



I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Universal I/O Bracket	1x Universal I/O Bracket (By mini PCIe interface)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 50°C
Storage Temp.	-20°C to 60°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

Front Panel Construction	Die-cast Flat Surface
Dimension	470 (W) x 380 (D) x 93 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-119/PC311E

19" SXGA Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor, 1x PCIe x4 Expansion

FEATURES

- 19" TFT SXGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 1x PCIe x4
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 50°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in

SPECIFICATIONS

DISPLAY

LCD Size	19" (4:3)
Max. Resolution	1280 x 1024 (SXGA)
Brightness (cd/m ²)	350
Contrast Ratio	1000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.294 (H) x 0.294 (V)
Viewing Angle (H-V)	170 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-119R/PC311E Only
Projected Capacitive	VIO-119C/PC311E Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

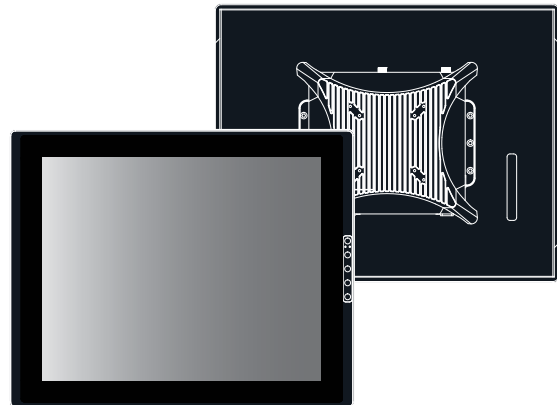
SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
PCI Express	1x PCIe x4

OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language



I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Universal I/O Bracket	1x Universal I/O Bracket (By mini PCIe interface)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 50°C
Storage Temp.	-20°C to 60°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

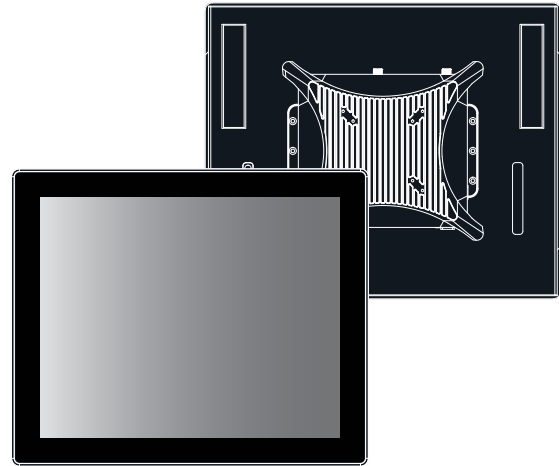
Front Panel Construction	Die-cast Flat Surface
Dimension	470 (W) x 380 (D) x 93 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-219/PC300

19" SXGA Resistive / Capacitive Touch Thin Frame Panel PC with Intel® Core™ i5/i3 or Celeron® Processor

FEATURES

- 19" TFT SXGA 4:3 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 50°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	19" (4:3)
Max. Resolution	1280 x 1024 (SXGA)
Brightness (cd/m ²)	350
Contrast Ratio	1000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.294 (H) x 0.294 (V)
Viewing Angle (H-V)	170 / 160
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-219R/PC300 Only
Projected Capacitive	VIO-219C/PC300 Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
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OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 50°C
Storage Temp.	-20°C to 60°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

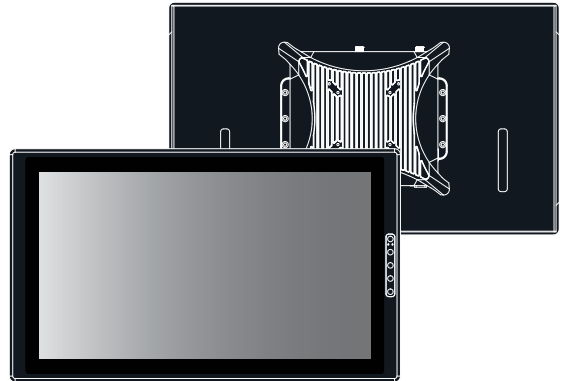
Front Panel Construction	Die-cast Flat Surface
Dimension	450 (W) x 375 (D) x 71 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-W121/PC300

21.5" 16:9 Full HD Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor

FEATURES

- 21.5" TFT FHD 16:9 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	21.5" (16:9)
Max. Resolution	1920 x 1080 (Full HD)
Brightness (cd/m ²)	300
Contrast Ratio	5000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.248 (H) x 0.248 (V)
Viewing Angle (H-V)	178 / 178
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-W121R/PC300 Only
Projected Capacitive	VIO-W121C/PC300 Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
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OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 60°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

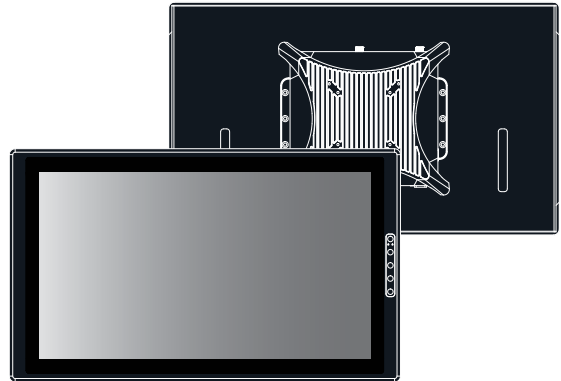
Front Panel Construction	Die-cast Flat Surface
Dimension	563.5 (W) x 336 (D) x 71 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-W121/PC311P

21.5" 16:9 Full HD Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor, 1x PCI Expansion

FEATURES

- 21.5" TFT FHD 16:9 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 1x PCI
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	21.5" (16:9)
Max. Resolution	1920 x 1080 (Full HD)
Brightness (cd/m ²)	300
Contrast Ratio	5000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.248 (H) x 0.248 (V)
Viewing Angle (H-V)	178 / 178
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-W121R/PC311P Only
Projected Capacitive	VIO-W121C/PC311P Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
PCI	1x PCI

OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Universal I/O Bracket	1x Universal I/O Bracket (By mini PCIe interface)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 60°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

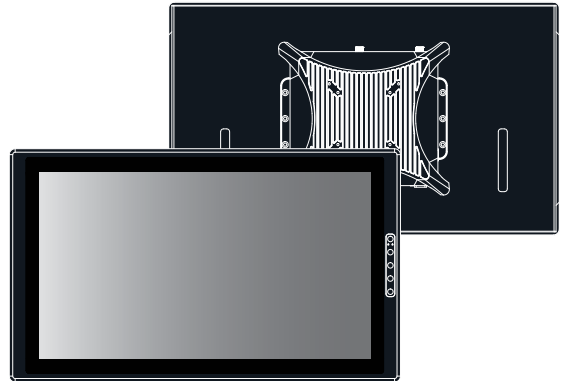
Front Panel Construction	Die-cast Flat Surface
Dimension	563.5 (W) x 336 (D) x 93 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-W121/PC311E

21.5" 16:9 Full HD Resistive / Capacitive Touch Panel PC with Intel® Core™ i5/i3 or Celeron® Processor, 1x PCIe x4 Expansion

FEATURES

- 21.5" TFT FHD 16:9 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 1x PCIe x4
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	21.5" (16:9)
Max. Resolution	1920 x 1080 (Full HD)
Brightness (cd/m ²)	300
Contrast Ratio	5000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.248 (H) x 0.248 (V)
Viewing Angle (H-V)	178 / 178
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-W121R/PC311E Only
Projected Capacitive	VIO-W121C/PC311E Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
PCI Express	1x PCIe x4

OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
COM	2x RS-232/422/485 2x RS-232/422/485 (internal)
USB	3x USB 3.0, 1x USB 2.0
LAN	2x RJ45
Audio	1x Mic-in, 1x Speaker-out
DIO	4 in / 4 out (Isolated)
Universal I/O Bracket	1x Universal I/O Bracket (By mini PCIe interface)
Others	3x WiFi Antenna Holes 1x Power Switch, 1x AT/ATX Switch, 1x Remote Power On/Off

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Mode	AT, ATX
Power Supply Voltage	9~48VDC
Power Ignition Sensing	Power Ignition Management
Power Connector	3-pin Terminal Block
Power Adaptor	Optional AC/DC 12V/5A, 60W
Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection

ENVIRONMENT

Operating Temp.	-10°C to 60°C
Storage Temp.	-20°C to 60°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

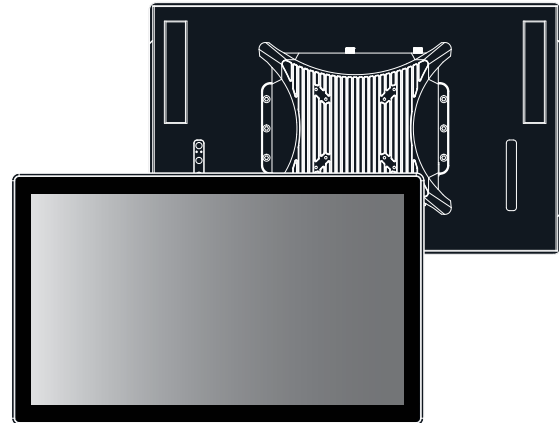
Front Panel Construction	Die-cast Flat Surface
Dimension	563.5 (W) x 336 (D) x 93 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)

VIO-W221/PC300

21.5" 16:9 Full HD Resistive / Capacitive Touch Thin Frame Panel PC with Intel® Core™ i5/i3 or Celeron® Processor

FEATURES

- 21.5" TFT FHD 16:9 LCD with Resistive 5-wire / Projected Capacitive Touch
- Intel® Core™ Processor i5-5350U, up to 2.9GHz / i3-5010U, 2.1GHz or Celeron® 3765U, 1.9GHz
- 1x 204-pin DDR3L SODIMM. Max up to 8GB
- 1x 2.5" SATA HDD bay support RAID 0,1, 5, 2x mSATA, 2x SIM socket
- 2x Full-size mini PCIe for communication or expansion modules
- 2x LAN, 1x VGA, 1x DisplayPort
- 4x RS-232/422/485, 3x USB 3.0, 1x USB 2.0, Audio, DIO
- 9 to 48VDC wide range power input
- -10°C to 60°C extended operating temperature
- Designed with Aluminum Die-Casting Front Frame
- IP65 Compliant Front Panel
- Two 10W Internal Speakers Built-in
- Multi-language OSD built-in



SPECIFICATIONS

DISPLAY

LCD Size	21.5" (16:9)
Max. Resolution	1920 x 1080 (Full HD)
Brightness (cd/m ²)	300
Contrast Ratio	5000:1
LCD Color	16.7M
Pixel Pitch (mm)	0.248 (H) x 0.248 (V)
Viewing Angle (H-V)	178 / 178
Backlight MTBF	50000 hrs (LED Backlight)

TOUCH

Resistive 5-wire	VIO-W221R/PC300 Only
Projected Capacitive	VIO-W221C/PC300 Only

SYSTEM

Processor	- 5 th Gen Intel® Core™ i5-5350U Processor, Dual Core, 3MB Cache, up to 2.9 GHz - 5 th Gen Intel® Core™ i3-5010U Processor, Dual Core, 3MB Cache, 2.1 GHz - 5 th Gen Intel® Celeron® Processor 3765U, Dual Core, 2MB Cache, 1.9 GHz
System Chipset	SoC integrated
LAN Chipset	GbE1: Intel® I210-AT (Support Wake-on-LAN and PXE) GbE2: Intel® I218-LM (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC888S
System Memory	1x 204-Pin DDR3L 1333/1600MHz SODIMM. Max. up to 8GB
BIOS	AMI 128Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

STORAGE

SSD/HDD	1x Removable 2.5" SATA HDD Bay Support RAID 0, 1, 5
mSATA	2x mSATA (Shared by 2x Mini PCIe)
SIM Socket	2x External SIM socket

EXPANSION

Mini PCI Express	2x Full-size Mini PCIe
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OTHER FEATURES

Internal Speaker	AMP 10W + 10W
OSD	LCD On/Off, Auto, Menu, Up and Down Multi-language

I/O

VGA	1x VGA (or 1x DVI-D by Order)
DisplayPort	1x DisplayPort
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ENVIRONMENT

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Storage Temp.	-20°C to 60°C
Relative Humidity	10%~95% (non-condensing)
IP Level	IP 65 Compliant Front Panel
Standards / Certification	CE, FCC Class A

PHYSICAL

Front Panel Construction	Die-cast Flat Surface
Dimension	528.5 (W) x 324 (D) x 71 (H)mm
Weight	TBC
Mounting	Panel Mounting Wall / VESA Mounting (Optional)