R19IBWS-MHA1

19" Intel® Atom® E3845 E3845 M Series HMI Panel PC



KEY FEATURES

- Projected Capacitive Multi Touch Screen
- Fanless Design
- Modular design for easy service in the field
- Support wide range 12-24 V DC input
- One Quick & Easy Removable 2.5" SSD Bay Slot



SPECIFICATIONS

Display

Resolution 1280x1024 Size 19 inches Contrast Ratio 1000:1 Panel Brightness 400 nits Ylow Angles 85,85,80.80 Active Area 376,32x301.06 mm Touch / Glass Projected Capacitive Multi Touch Screen System Specificative Frocessor Intel Atom E3845 1.91GHz Memory 2 x SO-DIMM, DDR3L 1600 MHz, 4GB 80B (Optional) Storage 1 x mSATA 128GB 1 x 2.5° 128GB SSD up to 512GB (Optional) Ether et controller 2 x Intel® Ethernet Controller Security 1 x mSATA 128GB sSD up to 512GB (Optional) Ether et controller 2 x Intel® Ethernet Controller Security 1 x mSATA 128GB SSD up to 512GB (Optional) Ether et controller 2 x Intel® Ethernet Controller Security 1 x mSATA 128GB sSD up to 512GB (Optional) Ether et controller 2 x Intel® Ethernet Controller Security 1 x mSATA 128GB sSD up to 512GB (Optional) BT 2 x Intel® Ethernet Controller Separation 4 4 x 3 x mm Panel sound 2 poper (Optional) Expansion Port 4 x 12 x 3 x mm 2 x mort 2 poper (Optional) Ether				
View Angles 85,85,80,80 Active Area 376.32×301.06 mm Touch / Glass Projected Capacitive Multi Touch Screen System Specification Processor Intel Atom E3845 1.91 GHz Memory 2 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional) Storage 1 x mSATA 128GB 1 x 2.5° 128GB SSD up to 512GB (Optional) Ethernet controller 2 x Intel® Ethernet Controller Security TPM 1.2 Operating System Windows 7 Embedded Systems (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (Optional) Linux Ubuntu 20.04 (Optional) Linux Ubuntu 20.04 (Optional) Linux Ubuntu 20.04 (Optional) Mechanical Mechanical Mounting Panel mount VESA Mount Metal Housing Cooling System Faniless design Cut out 12 x 338mm Environment Operating Temperature Proteing Promperature Proteing Protein	Resolution	1280x1024	Size	19 inches
System Specification	Contrast Ratio	1000:1	Panel Brightness	400 nits
Processor Intel Atom E3845 1.91GHz Memory 2 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)	View Angles	85,85,80,80	Active Area	376.32x301.06 mm
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Storage 1 x mSATA 128GB 1 x 2.5" 128GB SSD up to 512GB (Optional) Security TPM 1.2 Operating System Windows 7 Embedded Systems (Optional) WIndows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (Optional) L	System Specificat	ion		
Security TPM 1.2 Operating System Windows 7 Embedded Systems (Optional) WLAN Support (Optional) Expansion Port Modular Design for easy service in the field Mechanical Dimension 445.7 x 370.5 x 78.8 mm Mounting Enclosure Metal Housing Cut out 412 x 338mm Environment Operating Humidity 10% to 90% RH, Non-Condensing Storage Temperature Certification Certification CE, FCC IO Ports Power Input 1 x RS232/422/485 (Default RS232) Audio Linux Ubuntu 20.04 (Optional) Windows 7 Embedded Systems (Optional) Windows 10 IoT Enterprise (64 bit) (Optional)	Processor	Intel Atom E3845 1.91GHz	Memory	
WLAN Support (Optional) WLAN Support (Optional) Expansion Port Modular Design for easy service in the field Mechanical Dimension 445.7 x 370.5 x 78.8 mm Mounting Panel mount VESA Mount Enclosure Metal Housing Cooling System Fanless design Cut out 412 x 338mm Environment Operating Humidity 10% to 90% RH, Non-Condensing Operating Temperature Storage Temperature Storage Temperature Certification Certification CE, FCC IO Ports Power Input 1 x 12-24V DC, 3-Pin Terminal Block USB Port 4 x USB2.0 (Type-A) Serial Port 1 x RS232/422/485 (Default RS232) Video 1 x HDMI 1.4 (Optional) 1 x VGA (Optional) Audio Line in Expansion Port 1 x mPCle slott(for half size Wifi module)	Storage		Ethernet controller	2 x Intel® Ethernet Controller
Expansion Port Modular Design for easy service in the field Mechanical Dimension 445.7 x 370.5 x 78.8 mm Mounting Panel mount VESA Mount Enclosure Metal Housing Cooling System Fanless design Cut out 412 x 338mm Environment Operating Temperature O°C to 50°C Storage Temperature -10°C to 60°C IP rating Front IP65 Certification Certification CE, FCC IO Ports Power Input 1 x 12~24V DC, 3-Pin Terminal Block USB Port 4 x USB2.0 (Type-A) Serial Port 1 x RS232/422/485 (Default RS232) Video 1 x HDMI 1.4 (Optional) Audio Line in Expansion Port 1 x mPCle slot(for half size Wifi module)	Security	TPM 1.2	Operating System	Windows 10 IoT Enterprise (64 bit) (Optional)
Mechanical Dimension 445.7 x 370.5 x 78.8 mm Mounting Panel mount VESA Mount Enclosure Metal Housing Cooling System Fanless design Cut out 412 x 338mm Fanless design Environment Operating Humidity 10% to 90% RH, Non-Condensing Operating Temperature 0°C to 50°C Storage Temperature -10°C to 60°C IP rating Front IP65 Certification Certification CE, FCC IO Ports Power Input 1 x 12~24V DC, 3-Pin Terminal Block USB Port 4 x USB2.0 (Type-A) Serial Port 1 x RS232/422/485 (Default RS232) Video 1 x HDMI 1.4 (Optional) 1 x VGA (Optional) Audio Line in Expansion Port 1 x mPCle slott(for half size Wifi module)	WLAN	Support (Optional)	ВТ	Support (Optional)
Dimension 445.7 x 370.5 x 78.8 mm Mounting Panel mount VESA Mount Enclosure Metal Housing Cooling System Fanless design Cut out 412 x 338mm Environment Operating Humidity 10% to 90% RH, Non-Condensing Operating Temperature Profit Post Temperature Cortification Certification CE, FCC IO Ports Power Input 1 x 12~24V DC, 3-Pin Terminal Block USB Port 4 x USB2.0 (Type-A) Serial Port 1 x RS232/422/485 (Default RS232) Video 1 x HDMI 1.4 (Optional) 1 x VGA (Optional) Audio Line in Expansion Port 1 x mPCle slot(for half size Wifi module)	Expansion Port	Modular Design for easy service in the field		
VESA Mount	Mechanical			
Cut out 412 x 338mm Environment Operating Humidity 10% to 90% RH, Non-Condensing Operating Temperature 0°C to 50°C Storage Temperature -10°C to 60°C IP rating Front IP65 Certification CE, FCC IO Ports Power Input 1 x 12~24V DC, 3-Pin Terminal Block USB Port 4 x USB2.0 (Type-A) Serial Port 1 x RS232/422/485 (Default RS232) Video 1 x HDMI 1.4 (Optional) 1 x VGA (Optional) Audio Line in Expansion Port 1 x mPCle slot(for half size Wifi module)	Dimension	445.7 x 370.5 x 78.8 mm	Mounting	
Environment Operating Humidity 10% to 90% RH, Non-Condensing Operating Temperature Storage	Enclosure	Metal Housing	Cooling System	Fanless design
Operating Humidity 10% to 90% RH, Non-Condensing Operating Temperature Storage -10°C to 60°C IP rating Front IP65 Certification Certification CE, FCC IO Ports Power Input 1 x 12~24V DC, 3-Pin Terminal Block USB Port 4 x USB2.0 (Type-A) Serial Port 1 x RS232/422/485 (Default RS232) Video 1 x HDMI 1.4 (Optional) 1 x VGA (Optional) Audio Line in Expansion Port 1 x mPCle slot(for half size Wifi module)	Cut out	412 x 338mm		
Storage	Environment			
Temperature Certification CE, FCC IO Ports Power Input 1 x 12~24V DC, 3-Pin Terminal Block USB Port 4 x USB2.0 (Type-A) Serial Port 1 x RS232/422/485 (Default RS232) Video 1 x HDMI 1.4 (Optional) 1 x VGA (Optional) Audio Line in Expansion Port 1 x mPCle slot(for half size Wifi module)	Operating Humidity	10% to 90% RH, Non-Condensing		0°C to 50°C
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Serial Port 1 x RS232/422/485 (Default RS232) Video 1 x HDMI 1.4 (Optional) 1 x VGA (Optional) Audio Line in Expansion Port 1 x mPCle slot(for half size Wifi module)	IO Ports			
Audio Line in Expansion Port 1 x VGA (Optional) 1 x VGA (Optional) 1 x WGA (Optional)	Power Input	1 x 12~24V DC, 3-Pin Terminal Block	USB Port	4 x USB2.0 (Type-A)
Audio Line in Expansion Port 1 x mPCle slot(for half size Wifi module) Line out Swappable 2.5" HDD/SSD Bay Slot	Serial Port	1 x RS232/422/485 (Default RS232)	Video	
	Audio		Expansion Port	1 x mPCle slot(for half size Wifi module) Swappable 2.5" HDD/SSD Bay Slot

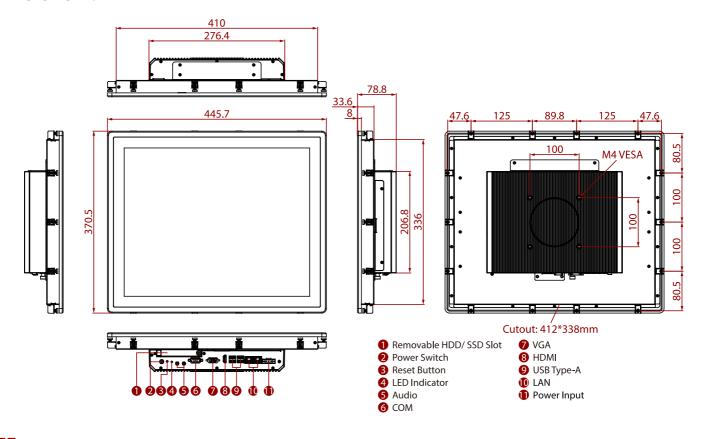
LAN mini PCle	2 x Giga LAN RJ45 Connector 1 x Mini PCIE(For WLAN)	Indicator	1 x LED Indicator for storage
Control			
Button	1 x Power Button with LED Indicator 1 x Reset Button		
Accessory			
Accessory	100~240V AC to DC Adapter Power Cord Open Wire Cable with terminal block connector Mounting clips VESA screws		
Power			

Adapter

12V 80W

DIMENSIONS UNIT:MM

Power Rating



NOTE

1. This is a simplified drawing and some components are not marked in detail.

12V~24V DC with protection fuse

- 2. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.
- 3. All specifications are subject to change without prior notice.