WTPE-9H66-15W

Explosion Proof Panel PC

Features

- Class 1 Division 2, Class 2 Division 2, ATEX Zone 2, IECEX Certified
- Intel® 13th Gen. Core i5 / i7 Processor
- 15” Fanless Panel PC for Wide Temp -20~60°C Environments
- LAN USB COM M16 (EX Ec) Cable Gland & Waterproof M12 USB COM (EX ic) Connector
- Connector Panel for Easy Cable Installation
- Totally Sealed IP66 / NEMA 4X Enclosure
- 100% Water/Dust Proof Guarantee

Specification

Product		WTPE-9H66-15W		
Main System	CPU	FCBGA1356 13th generation Intel® Core i5 / i7 processor (15W max.)		
	Graphic	Intel® integrated Iris Xe Graphics		
	Memory	Two 5200 MHz DDR5 SODIMM socket support dual Channel, non-ECC, up to 64GB		
	OS Support (Optional)	Windows 10 IoT Enterprise LTSC / WIN 11 IoT Enterprise LTSC		
Display	Size	15” 4:3		
	Resolution (pixel)	1024 x 768 (XGA)		
	Number of Colors	16.7M colors (RGB 6-bit + Hi FRC)		
	View Angle (H/V)	160(H) / 160(V)		
	Brightness(cd/m², nit)	450 nits		
	Contrast Ratio	600 : 1 (Typ)		
Touch Panel	Type	Full flat resistive touch panel		
	Light Transmission	80 ± 5%		
	Hardness / Lifetime	4H / 490,000 hours		
Storage & Expansion	Storage	1 X 2.5” SATA SSD		
	Expansion	1 x M.2 Type E		
I/O Ports/ Power	**Configuration**	**A**	**B/C***	**D**
	Swappable M12, 8pin (I.S. Output, Support EX ic, Extension Cable to Ex ic Devices)	**2 x COM for RS232**	**1 x USB2.0 1 x COM for RS232**	**2 x USB2.0**
	Cable Gland M16 (Max. Output x 4, Must be Installed by User)	**2 x USB 2.0 (EX ec) 2 x LAN (EX ec, i219LM for Vpro) 1 x COM for RS232/422/485 (EX ec)**		
	Power Adapter	100W with 24V DC output, with 1.2M cable, PSE		
	Power / Consumption	DC 24V Input, M16 (EX ec, Must Be Installed by User)		
Environmental	Temperature	Operating Temperature -20 ~ 60 ℃, without freezing (IEC60068-2-56, air flow cooling) Storage Temperature -20 ~ 60℃		
	Humidity	Operating & Storage: -10 ~ 90%, non-condensing		
	Water/Dust resistance	IP66 / NEMA4X		
Mechanical Characteristics	Housing	Stainless steel (SUS304), Chassis Type		
	Dimensions (Net: mm)	435 x 350 x 84		
	Weights (Net: kg)	11 kg		
	Mounting	VESA (100x100 mm x mm), side mount (M6*2)		
Certification (On Going)	EMC: FCC, CE (EMC), VCCI Class B, Canada ICES-003, Safety: IEC-62368 IECEx, Class 1 Division 2 Group A, B, C, D T4 (Config. A, B/C, D) ATEX Zone2 EX II 3G Ex ic ec IIC T4 Gc IP66 Class 2 Division 2 Group F, G (configuration A B/C, D), ATEX Zone22 EX II 3D EX tc IIIC T135C Dc IP66(compliance)			

*Remark: Configuration B/C is defined/verified as different interface combination connected in certificate report.

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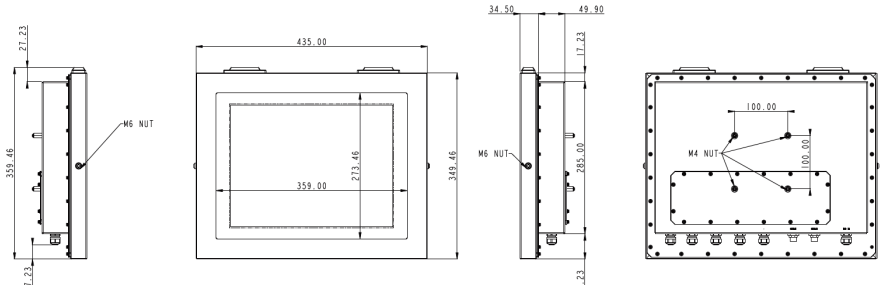
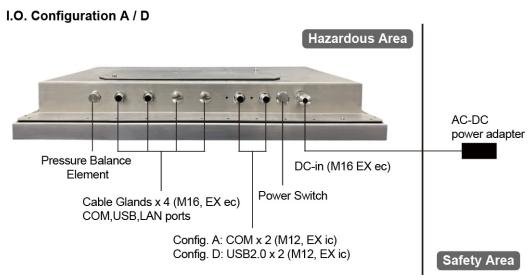
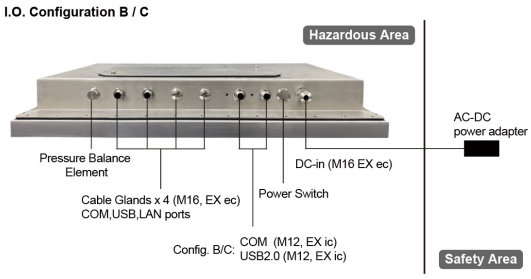
Dimensions

Units (mm)



Major Options	
Options	①WLAN + Bluetooth module (Wifi-7) ②Windows 10 IoT Enterprise LTSC / WIN 11 IoT Enterprise LTSC
Accessory	①COM extension cable kit through M16 cable gland (2 meter length, external 9pin male type) (cable kit must be installed by user) ②USB2.0 extension cable through M16 cable gland (2 meter length, external female type A) (cable kit must be installed by user) ③LAN extension cable through M16 cable gland (2 meter length, external female RJ45 type) (cable kit must be installed by user) ④Swappable M12 COM extension cable (2 meter length, M12 to PPC, external 9pin male type) (for configuration A,B/C) ⑤Swappable M12 USB2.0 port extension cable (0.3 meter length, M12 to PPC, external female type A connectors) (for configuration B/C, D) ⑥Swappable M12 DC power extension cable (1.2 meter length, M12, stripped and tinned wires on opposite end to DC 24V output power supply)
Customization	①Kit to support over 100 meter power supply length ②Panel mounting by bezel kit (not co-exist with wireless function) ③50 meter DC cable to support 50 meter power length ④100 meter DC cable to support 100 meter power length ⑤Wall mount/ Table mount bracket

Order Information

Item	Cooling	Description
WTPE-9H66-15W (i5)	Fanless	15” Core I5-1345URE / DDR5 8G RAM/ 512G SSD/ Full flat R-touch
WTPE-9H66-15W (i7)	Fanless	15” Core i7-1365URE / DDR5 8G RAM/ 512G SSD/ Full flat R-touch