

WTPE-9E66-19W

Explosion Proof Panel PC



Features

- Class 1 Division 2, ATEX Zone 2, IECEx Compliance & EMC Class B Certified
- Intel® 6th Gen. Core i7/i5/i3 Processor
- 19" Fanless Panel PC for Wide Temp -20~60°C Environments
- LAN USB COM M16 (EX Ec) I.O. Up to 4 & Waterproof M12 USB COM (EX ic) I.S. Output
- Connector Panel for Easy Cable Installation
- Totally Sealed IP66 / NEMA 4X Enclosure
- 100% Water/Dust Proof Guarantee

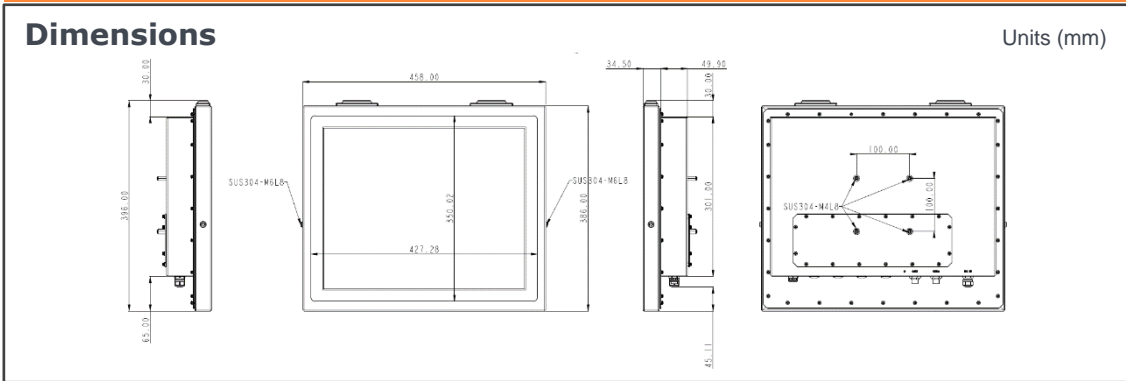
Specification

| Product | | WTPE-9E66-19W | | |
|----------------------------|--|--|---------------------------------|------------|
| Main System | CPU | FCBGA1356 6th generation Intel® Core i7/i5/i3 processor 15W max. | | |
| | Graphic | Intel® integrated HD Graphics 520 | | |
| | Memory | Two 2133 MHz DDR4 SODIMM socket support dual Channel, non-ECC, up to 32GB | | |
| | OS Support (Optional) | Win10 Embedded 64-bit / Windows 10 Professional 64-bit | | |
| Display | Size | 19" 5:4 | | |
| | Resolution (pixel) | 1280 x 1024 (SXGA) | | |
| | Number of Colors | 16.7M colors (RGB 6-bit + Hi FRC) | | |
| | View Angle (H/V) | 170(H) / 160(V) | | |
| | Brightness (nit) | 350 nits | | |
| | Contrast Ratio | 1000 : 1 (Typ) | | |
| Touch Panel | Type | Full flat resistive touch panel | | |
| | Light Transmission | 80 ± 5% | | |
| | Hardness / Lifetime | 4H / 490,000 hours | | |
| Storage & Expansion | Storage | 2.5" SATA SSD | | |
| | Expansion | Mini PCIe x 1 M.2 Type E x 1 | | |
| I/O Ports/ Power | Configuration | A | B/C* | D |
| | Swappable M12, 8pin (I.S. Output, Support EX ic, Extension Cable to Ex ic Devices) | COM X 2 for RS232 | USB2.0 X 1 COM X 1 for RS232 | USB2.0 X 2 |
| | Cable Gland M16 (Max. Output x 4, Must be Installed by User) | USB 2.0 X 2 (EX ec) LAN X 2 (EX ec, i219LM for Vpro) COM X 1 for RS232/422/485 (EX ec) Optional Mini-PCIe Module for Cable Connection X 1 (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) / 53.5 Watts | | |
| Environmental | Temperature | Operating Temperature -20 ~ 60°C , without freezing (IEC60068-2-56, air flow cooling) Storage Temperature -20 ~ 60°C | | |
| | Humidity | Operating & Storage: -10 ~ 90%, non-condensing | | |
| | Water/Dust resistance | IP66 / NEMA4X | | |
| Mechanical Characteristics | Housing | Stainless steel (SUS304), Chassis Type | | |
| | Dimensions (Net: mm) | 458 x 386 x 88 | | |
| | Weights (Net: kg)) | 12.4 kg | | |
| | Mounting | VESA (100x100 mm x mm), side mount (M6*2) | | |
| Certification | EMC: FCC, CE (EMC), VCCI Class B, Canada ICES-003, Safety: IEC-62368 IECEx, Class 1 Division 2 Group A, B, C, D T5 (Compliance) ATEX Zone2 EX II 3G Ex ic ec IIC T4 Gc IP66 (Compliance), CCC (Compliance) | | | |

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

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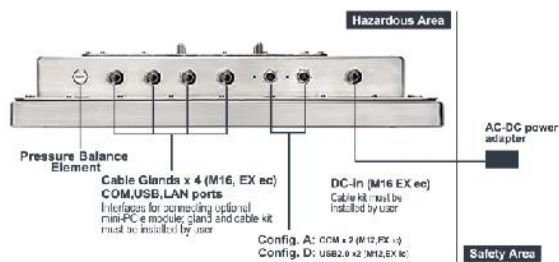


| Major Options | |
|---------------|---|
| Options | ① Wifi - IEEE802.11ac/b/g/n, Bluetooth Class1.0 - 2.0 (included in explosion proof certification, not co-existed with other mini-PCIe module) |
| Accessory | ① COM extension cable kit through M16 cable gland (2 meter length, external 9pin male type) (cable kit must be installed by user) ② USB2.0 extension cable through M16 cable gland (2 meter length, external female type A) (cable kit must be installed by user) ③ LAN extension cable through M16 cable gland (2 meter length, external female RJ45 type) (cable kit must be installed by user) ④ Swappable M12 COM extension cable (2 meter length, M12 to PPC, external 9pin male type) (for configuration A,B/C) ⑤ Swappable M12 USB2.0 port extension cable (0.3 meter length, M12 to PPC, external female type A connectors) (for configuration B/C, D) ⑥ Swappable M12 DC power extension cable (1.2 meter length, M12, stripped and tinned wires on opposite end to DC 24V output power supply) |
| Customization | ① Kit to support over 100 meter power supply length, ② Power on/off switch ③ EtherNet/ IP (Industrial Protocol) Interface (temperature code condition is T4, not co-existed with other mini-PCIe module) ④ PROFIBUS DP (process field bus decentralized peripherals)-slave Network Interface (temperature code condition is T4, not co-existed with other mini-PCIe module) ⑤ DeviceNet-slave Interface (temperature code condition is T4, not co-existed with other mini-PCIe module) ⑥ CC-Link (control & communication link)-slave interface (temperature code condition is T4, not co-existed with other mini-PCIe module) ⑦ Panel mounting by bezel kit (not co-exist with wireless function) ⑧ 50 meter DC cable to support 50 meter power length ⑨ 100 meter DC cable to support 100 meter power length ⑩ Wall mount/ Table mount bracket |

Order Information

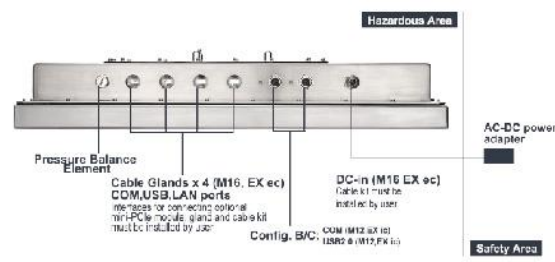
| Item | Cooling | Description |
|---------------|---------|--|
| WTPE-9E66-19W | Fanless | 19" Core i5-6200U / DDR4 4G RAM/ 128G SSD/ full flat R-touch |

Configuration A,D



| Entity parameters A |
|---|
| COM1: Uo = 10.0 V, Io = 38.9 mA, Po = 389 mW, Co = 2.8µF, Lo = 52.867 mH |
| COM2: Uo = 9.0 V, Io = 31.6 mA, Po = 284 mW, Co = 0.3µF, Lo = 80.115 mH |
| Entity parameters D |
| USB: Uo = 5.5 V, Io = 151.2 mA, Po = 0.8316 W, Co = 1000µF, Lo = 3.499 mH |

Configuration B/C



| Entity parameters B/C |
|--|
| COM: Uo = 9.0 V, Io = 31.6 mA, Po = 284 mW, Co = 0.3 µF, Lo = 80.115 mH |
| USB: Uo = 5.5 V, Io = 151.2 mA, Po = 0.8316 W, Co = 1000 µF, Lo = 3.499 mH |



IP SYSTEMES
 8 rue du Colonel Chambonnet - BP67
 69672 BRON Cedex
 Tel. : 04 72 14 18 00
 Fax : 04 72 14 18 01
www.ip-systemes.com - info@ip-systemes.fr