

5th Gen I Ruggedized X86 All-in-One Panel PC

Ultra narrow frame, flat panel, aluminum alloy structure, fully enclosed design. Equipped with fan less I series high configuration motherboard, high-speed storage solution. It has 10.1"-21.5" dimensions for selection, supports embedded, desktop, wall mounted and other diversified installations, and is widely used in industrial control, military, communication, power, network, intelligent self-service terminal equipment and other automation applications.

Features >>



- Narrow frame design, independent mold opening.
- Aluminum alloy one-piece die casting, efficient heat dissipation.
- Self developed fanless industrial motherboard with X86 architecture, with a variety of options, Up to Intel 10th Gen Core™ i7 processor.
- Anti vibration radiation layout, process structure design, seismic stability, safety and reliability, industrial quality.
- It is suitable for dust, oil, water mist, strong electromagnetic, high-frequency vibration and other complex heavy industrial environments.
- Support desktop, wall mounted, embedded, cantilever, boom and other installation methods.



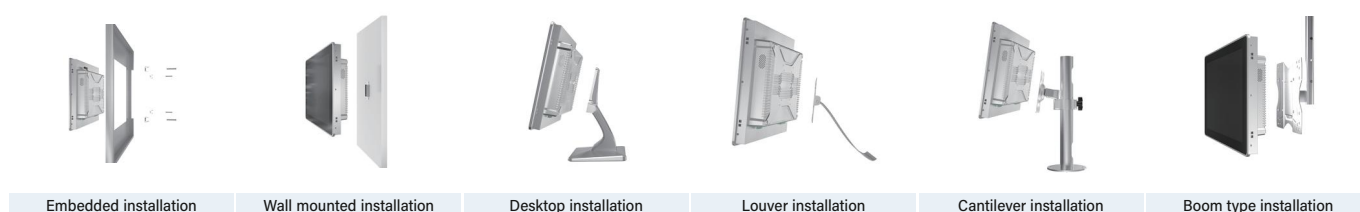
10.1"~21.5" optional



Product Model >>

| Product size | Non-touch | Capacitive Touch | Resistive Touch | Resolution | Screen Scale | Brightness | Contrast ratio | Viewing Angle | Back Cover Style |
|--------------|-------------|------------------|-----------------|------------|--------------|----------------------|----------------|-----------------------|--|
| 10.1" | TPC101-W500 | TPC101-W510 | TPC101-W520 | 1280*800 | 16:10 | 300cd/m ² | 1000:1 | 85/85/85/85 (L/R/U/D) |  (10.1-12 inch small back cover) |
| 10.4" | TPC104-W500 | TPC104-W510 | TPC104-W520 | 1024*768 | 4:3 | 400cd/m ² | 1000:1 | 80/80/80/80 (L/R/U/D) | |
| 11.6" | TPC116-W500 | TPC116-W510 | TPC116-W520 | 1920*1080 | 16:9 | 300cd/m ² | 1000:1 | 85/85/85/85 (L/R/U/D) | |
| 12" | TPC120-W500 | TPC120-W510 | TPC120-W520 | 1024*768 | 4:3 | 500cd/m ² | 1000:1 | 85/85/85/85 (L/R/U/D) | |
| 15" | TPC150-W500 | TPC150-W510 | TPC150-W520 | 1024*768 | 4:3 | 300cd/m ² | 1000:1 | 89/89/89/89 (L/R/U/D) |  (15-21.5 inch large back cover) |
| 15.6" | TPC156-W500 | TPC156-W510 | TPC156-W520 | 1920*1080 | 16:9 | 300cd/m ² | 800:1 | 85/85/85/85 (L/R/U/D) | |
| 17" | TPC170-W500 | TPC170-W510 | TPC170-W520 | 1280*1024 | 5:4 | 300cd/m ² | 1000:1 | 85/85/80/70 (L/R/U/D) | |
| 17.3" | TPC173-W500 | TPC173-W510 | TPC173-W520 | 1920*1080 | 16:9 | 300cd/m ² | 600:1 | 80/80/60/80 (L/R/U/D) | |
| 19" | TPC190-W500 | TPC190-W510 | TPC190-W520 | 1280*1024 | 5:4 | 300cd/m ² | 1000:1 | 85/85/80/80 (L/R/U/D) | |
| 19.1" | TPC191-W500 | TPC191-W510 | TPC191-W520 | 1440*900 | 16:10 | 300cd/m ² | 1000:1 | 80/80/80/80 (L/R/U/D) | |
| 21.5" | TPC215-W500 | TPC215-W510 | TPC215-W520 | 1920*1080 | 16:9 | 300cd/m ² | 1000:1 | 89/89/89/89 (L/R/U/D) | |

Product Installation >>



Product Specifications >>

Hardware Configuration

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|---------------------|--|-----------------------------|-----------------------------|------------------------------|
| CPU | Intel Core I7-6500U | Intel Core I7-7500U | Intel Core I7-8565U | Intel Core I7-10510U |
| CPU frequency | 2.5GHz | 2.7GHz | 1.8GHz | 1.8GHz |
| Integrated graphics | Intel HD Graphics 520 | Intel HD Graphics 620 | Intel Ultra HD Graphics 620 | Intel UHD630 Graphics |
| RAM | 4G DDR4 (Optional 8/16G) | 4G DDR4 (Optional 8/16/32G) | 4G DDR4 (Optional 8/16/32G) | 8G DDR4 (Optional 16/32/64G) |
| Storage | 128GB SSD(256GB/512GB SSD, 1T/2T HDD optional) | | | |
| System | Win7/10/11,Ubuntu/Centos/Redhat/Debian/Linux | | | |
| WIFI | 2.4GHz / 5GHz dual bands | | | |
| Bluetooth | BT4.0(Optional) | | | |

Touch Screen

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|------------------|--|
| Capacitive Touch | Touch screen type: 10 point touch projection capacitive touch screen Light transmittance: ≥ 88% Input mode: handwriting or capacitive pen Controller communication: USB |
| Resistive Touch | Touch screen type: single point resistive touch screen Light transmittance: ≥ 78% Input mode: Fingertip or stylus Controller communication: USB |
| Non touch | Light transmittance: ≥ 92% |

Reliability parameters

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|-----------------------|--|
| working temperature | Operating temperature: - 10 ° C~60 ° C, storage temperature: - 20 ° C~70 ° C |
| Operating humidity | Humidity: 95% non condensing |
| Vibration protection | IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis |
| Impact protection | IEC 60068-2-27, half sine wave, duration 11ms |
| Product certification | CCC/CE/FCC/EMC/CB/ROHS |

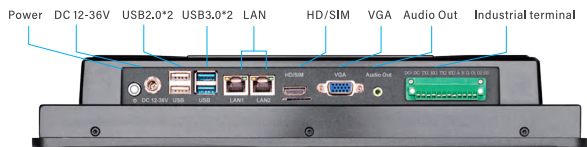
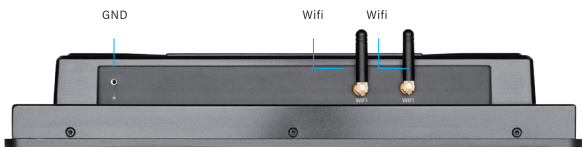
Other parameters

| | |
|---------------------|--|
| Power input | 12V-36V power input |
| Static power | 18W |
| Fuselage Properties | Body material: aluminum alloy, body color: classic black, technical silver |
| warranty policy | Three years (one year free warranty) |
| Installation method | Support embedded, wall mounted, desktop, louver, cantilever, boom and other installation methods |

I/O Interface

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|------------------|---|
| Power interface1 | 1*Industrial terminal, Support 12V-36V wide voltage power supply |
| Power interface2 | 1*DC2.5, Support 12V-36V wide voltage power supply |
| USB | 2*USB 3.0, 2*USB 2.0 |
| LAN | 2*LAN,10M/100M/1000M adaptive Ethernet |
| HDMI | 1*HDMI, Support HDMI data output, maximum support 4K |
| SIM | 1*SIM, SIM card interface standard interface supports various formats (depending on 3G / 4G module) |
| VGA | 1*VGA |
| AUDIO | 1*Audio Out, Support audio output, Headphone stand: 3.5mm standard interface |
| POWER | 1*Power key |
| WiFi Antenna | 2*WiFi antenna |
| Grounding column | Support(1*GND) |

Interface Distribution >>



Only the 15 inch interface is displayed. Please refer to the actual object for details.