

MPX-185MD

18.5" XVGA Industrial Fanless Panel PC, IP65 With Intel Atom D2550 Dual Core 1.86GHz CPU VGA, Dual LAN, 2COM, 2USB3/6USB2, DC-in



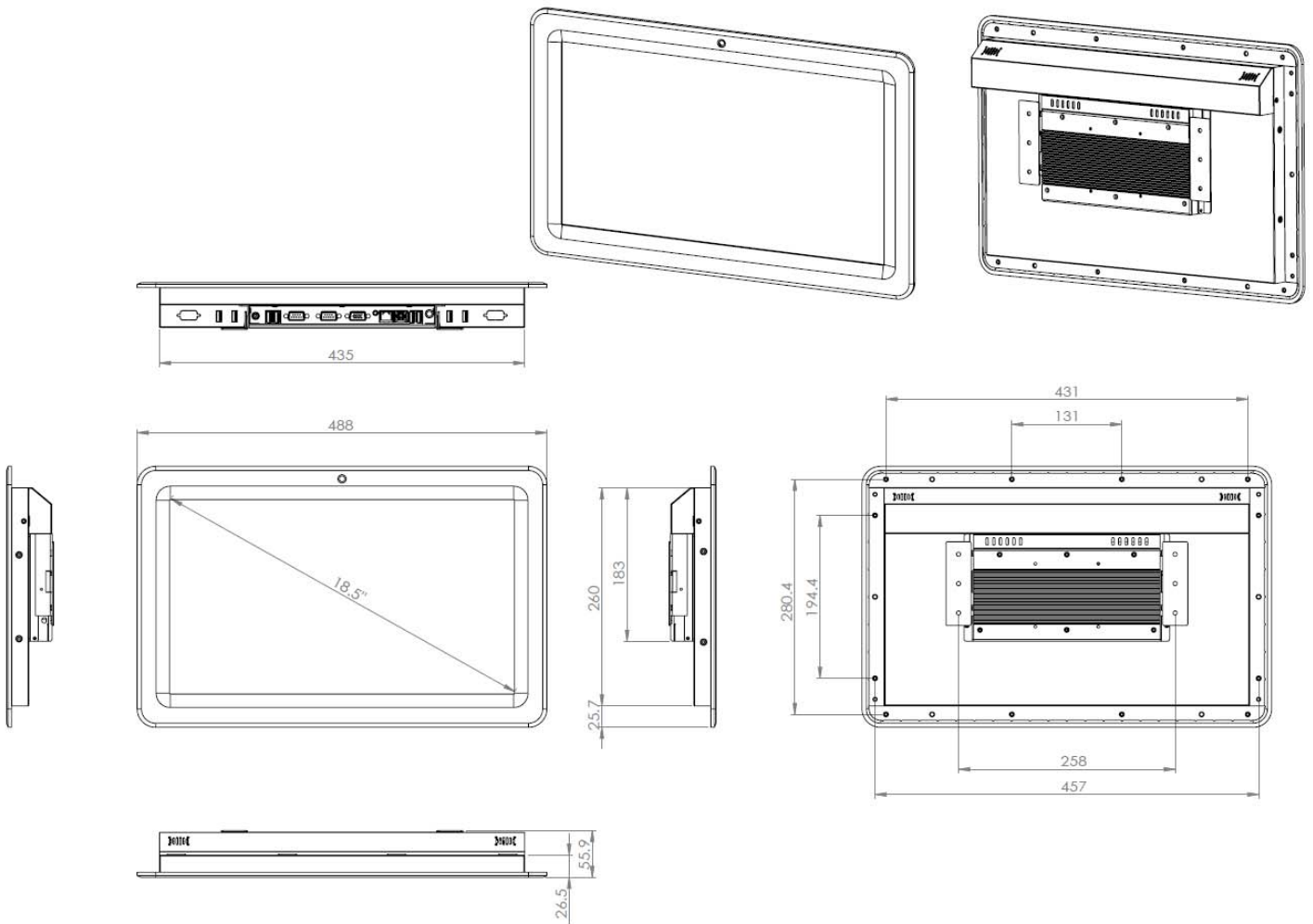
Features

- 18.5" TFT XVGA, 1366 x 768 resolution, 16.7M colors, 300 cd/m2 Luminance, 50K hrs/LED
- Intel Atom D2550 Dual Core 1.86GHz CPU, memory up to 4GB.
- Dual independent display by VGA (DB-15)
- COM1 by RS-232/422/485 (by BIOS, jumpers free), COM2 by RS-232 with power 5V/12V
- 8 x USB(2 x USB 3.0 and 6 x USB 2.0)
- Supports 2.5" SATA HDD or SATA DOM (Half-size)
- Flexible mounting solutions by Panel / VESA 75
- Wide Range DC +12V ~ +24V DC input by DC Jack
- 0°C ~ 55°C harsh operation environment

Specifications

| MPX-185MD Series Key Features | | MPX-185MD |
|-------------------------------|-------------------------|---|
| System Processor | Max. Speed(Core) | 1.86GHz(Dual core) |
| | L2 Cache | 1MB |
| | CPU/Chipset | Atom D2550/NM10 |
| | BIOS | AMI 16Mb AMI UEFI with GUI support |
| Expansion Slot | Mini-PCIe | 1 x full-size |
| | Storage | 1 x SATA DOM (low profile) |
| Memory | Specification (SO-DIMM) | 1 x 204-Pin DDR3 |
| | Max. Capacity | 4 GB |
| Display | LCD | 18.5" TFT XVGA |
| | Resolution | 1366 x 768, 16.2M Colors |
| | Luminance (cd/m2) | 300 cd/m2 |
| | Viewing Angle | 80° |
| | Backlight Lifetime | 50,000 hrs / LED |
| Ethernet | Interface Controller | PCI-e 10/100/1000 Mbps LAN |
| | Connector | 2 x RJ-45 |
| Storage | SATA2 | 1 x SATA2 |
| | SATA DOM | 1 x SATA DOM, 8G-64G option |
| System Rear I/O | VGA | 1 x DB-15 |
| | Ethernet | 2 x RJ45 |
| | USB | 8 x USB Type-A(2 x USB 3.0, 6 x USB 2.0) |
| | Audio | 1 x Audio ports, Line-out, Phone Jack |
| | Serial COM1 | 1 x DB-9 (RS-232/422/485 by BIOS selection) |
| | Serial COM2 | 1 x DB-9 (RS-232 with power 5V/12V) |
| | KB/MS | 1 x 6-pin Mini-DIM for PS/2 keyboard and PS/2 mouse |
| | System Power Input | 1 x DC Jack, +12V ~ +24V (By AC 110-220V to DC Adapter, +19V/3A) |
| System Features | Speaker | 2 x 1W Speaker |
| | Camera | 1 x Resolution 1600 x 1200, 2M pixel, USB interface (option) |
| | Touch Screen | 1 x Analog resistive 5 Wire Touch |
| | OS Support | Win CE 7.0, Win 7 |
| Watchdog Timer | Output and Interval | System reset, programmable 1 ~ 255 sec/min; 1 sec. or 1min. /step |
| Power Requirement | Typical | About 32W (Depends on system configuration) |
| Environment | IP Rating | IP65 compliant front bezel |
| | Temperature | Operating None-operating 0 ~ 55°C (32 ~ 131°F) -20 ~ 60°C (-4 ~ 140°F) |
| | Relative Humidity | 10 ~ 90% @40°C, Non-condensing |
| | Vibration | 5 ~ 17Hz, 0.1" double amplitude peak, 1.5G acceleration peak to peak |
| | Shock | 10G acceleration peak to peak(11ms) |
| Physical Size | Dimensions | 488mm(W) x 311.5mm(L) x 58.5mm(D) |
| Packing | Dimension | 560mm(W) x 395mm(L) x 130mm(D) |
| Weight | N.W / G.W. | 14.3lb (6.5Kg) / 15.4lb (7.0Kg) |
| Certifications | EMC | CE, FCC Class B |

System Dimension Drawing



Ordering Information

| Part Number | CPU | Chip | VGA | GbE | COM1/2 | USB3 | USB2 | Audio | KB/MS | RAM | HDD | Wi-Fi | Web CAM |
|------------------|-------|------|-----|-----|--------|------|------|--------|-------|-----|-------|-------|---------|
| MPX-185MD-M0-00 | D2550 | NM10 | 1 | 2 | RS-232 | 2 | 6 | Line/O | 1 | N/A | N/A | N/A | N/A |
| MPX-185MD-M2-00 | D2550 | NM10 | 1 | 2 | RS-232 | 2 | 6 | Line/O | 1 | 2GB | N/A | N/A | N/A |
| MPX-185MD-M4-H5M | D2550 | NM10 | 1 | 2 | RS-232 | 2 | 6 | Line/O | 1 | 4GB | 500GB | N/A | YES |

Optional Items

| Part Number | Description |
|---------------------|---|
| SODIMM-DDR3-2GB | 204-Pin SODIMM DDR3-1333 2GB |
| SODIMM-DDR3-4GB | 204-Pin SODIMM DDR3-1333 4GB |
| SSD2-032 / SSD3-064 | 2.5" SATA 2(3Gb/S) SSD MLC, 32GB / 64GB |
| SSD3-032 / SSD3-064 | 2.5" SATA3 (6Gb/S) SSD MLC, 32GB / 64GB |
| Wi-Fi | Wireless LAN Kit, 802.11 b/g/n, RTL8188CUS-BC8-WB |
| WebCam | Web Camera, resolution 1600x1200, 2M pixel, USB interface |