

IP65 FRONT PANEL PC (Metal-5mm)



10.4" LCD monitor, 800x600, LED-350nits, Rear OSD, including rear screw/Clamp/VESA Mount, 12VDC-IN w/Adapter with 5 Wire Resistive Touch Screen + MS-98E1 (H110 SKU) / i7-7700 / RAM 8GB (0C~70C) / HDD 1TB (0C ~70C)

MODEL: CPM1040-i7-TR



FEATURES:

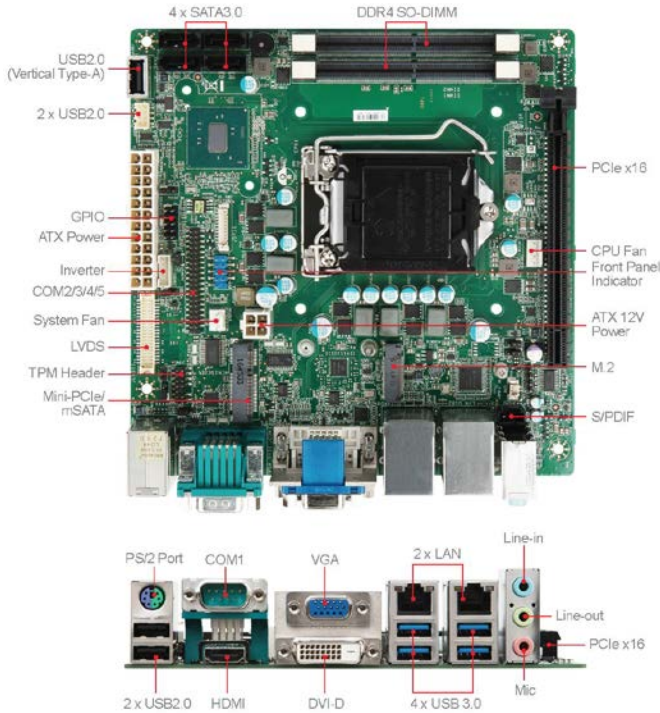
- Modularize mechanical design provides flexible product configuration and easy maintenance
- Optional build-in touch screen for interactive application
- 2 independent displays with multiple video outputs (LVDS, HDMI, DVI-D, VGA)
- Supports DirectX 11.1 and Intel® Clear Video Technology (up to 1080P)
- 3 SATA 3.0 ports for faster and high-capacity storage
- Supports m-SATA function by Mini-PCIe slot
- Plenty USB ports for more peripherals(USB3.0*4, USB2.0*4, Vertical Type USB2.0*1)

SPECIFICATIONS:

| | | |
|----------------------------|----------------------------|---|
| Panel | Cell Type / Glass Surface | TFT LCD / Black Anti-Glare, low reflection coating |
| | Aspect Ratio / Size | 4 : 3 / 10.4" viewable diagonal area |
| | Active Area / Pixel Pitch | 211.2(H) x 158.4(V) mm / 0.264(H) x 0.264(V) mm |
| | Native Resolution / Colors | 800(H) x 600(V) / 262 K |
| | Brightness / Contrast | 350 cd/m ² (typ) / 600 : 1 |
| | Response Time | < 35 ms |
| | Viewing Angle (typical) | H. 140° (- 70° ~ + 70°) , V. 120° (- 60° ~ + 60°) |
| | Light Source | LED backlight, Long life, 35,000 hrs (typ) |
| Power | Power Input | 12V DC input with adapter |
| | Power Consumption | 21.375 Watt, <1 Watt |
| Operating Condition | Temperature / Humidity | 0°C ~ 50°C (32°F ~ 122°F) , 10% ~ 90% (no condensation) |
| Dimensions | Physical | Please refer to Drawing |
| | Carton | W x H x D = TBD |

| Options | Touch | Video / TV | Enhanced Panel | Others |
|----------------|------------------|----------------------|--------------------------|------------------------------|
| | Resistive touch | SV + AV | Panel with LED backlight | Digital Signage(Stand alone) |
| | Capacitive touch | SV + AV + AV_Looping | High brightness panel | Networking Digital Signage |
| | SAW touch | SV + AV + TV | Wide Temperature | Motion Sensor |
| | Infrared touch | | Sunlight Readable | Light Sensor |
| | Protected glass | | | Auto-Dimming |

MS-98E1 MB Specifications



| | | |
|--------------------------|-----------------------|--|
| Processor | CPU | Intel Core i7-7700 |
| | Frequency | 2.3GHz- 4.0GHz (Depends on CPU) |
| | L2 Cache | 2M - 8M (Depends on CPU) |
| | CPU Type | Socket (LGA 1151) |
| | Chipset | Intel® H110 Express |
| Memory | BIOS | AMI |
| | Technology | Dual-channel DDR4 (non-ECC) 2133MHz/2400MHz (7th Gen) |
| | Max. Capacity | Up to 32 GB |
| Display | Socket | 2 x 260-pin SO-DIMMs |
| | Controller | Intel® HD Graphics |
| | Graphic Memory | Shared system memory up to 1.7 GB SDRAM |
| | LVDS | 1 |
| | eDP | N/A |
| | VGA | 1 |
| | DVI | 1 (DVI-D) |
| | HDMI | 1 |
| | Display port | N/A |
| | Multiple Display | 2 independent displays |
| Ethernet | Display Interface | LVDS up to 1920 x 1200 HDMI up to 3840 x 2160 DVI-D up to 1920 x 1200 VGA up to 1920 x 1200 |
| | Controller | 1 x Intel® I219-LM GbE-PHY 1 x Intel® I211-AT PCIe GbE LAN (Co-lay I210-AT) |
| Audio | | Realtek® ALC887 HD Audio Codec |
| Super I/O | Controller | Fintek F81866AD-I |
| H/W Monitor | Watchdog Timer | 256-level Watchdog Timer Yes |
| | Smart Fan | Yes |
| TPM | Controller | Pin header |
| I/O Interface | USB | 4 x USB 3.0 (4 x rear) 4 x USB 2.0 (2 x rear; 2 x internal) 1 x USB 2.0 (Vertical, internal) |
| | Serial | 5 x COM (1 x rear; 4 x internal) COM1: RS-232/422/485, 0V/5V/12V COM2/3/4/5: RS-232, 0V/5V/12V |
| | Parallel | N/A |
| | PS/2 | 1 |
| | GPIO | 8-bits (4 x GPI, 4 x GPO), 5V |
| Expansion Slot | PCIe x 16 | 1 |
| | M.2 | N/A |
| | Mini-PCIe | 1 x Full-size, mSATA |
| Storage | SATA | 3 x SATA 3.0 |
| | mSATA | 1 (shared w/ Mini-PCIe) |
| Power Supply | DC | N/A |
| | ATX | ATX-Power 24P, 12V-4P |
| Environment | Operating Temperature | 0 - 60°C |
| | Operating Humidity | 10 - 90%, non-condensing |
| | Storage Temperature | -20 - 80°C |
| | Storage Humidity | 10 - 90%, non-condensing |
| Form Factor | Dimension | 170mm x 170mm (Mini-ITX) |
| | Weight EMC | 0.37 kg |
| Certification | EMC | FCC, CE, RCM, VCCI, BSMI |
| Software Platform | OS Support | Windows 7 (32/64-bit) Windows 8.1 (64-bit) Windows 10 (64-bit) Linux Kernel 4.X, support Fedora 23(64Bit) & Ubuntu 16.04 (64Bit) of Kaby Lake-S & Skylake-S |

MECHANICAL DRAWING:

