

MS-98G6

3.5" SBC with Intel® Bay Trail-D/M Series Platform for High-Performance, Low-Power & Fanless Solution

Industrial Computer

COM Express Board

Pico-ITX Board

3.5" Board

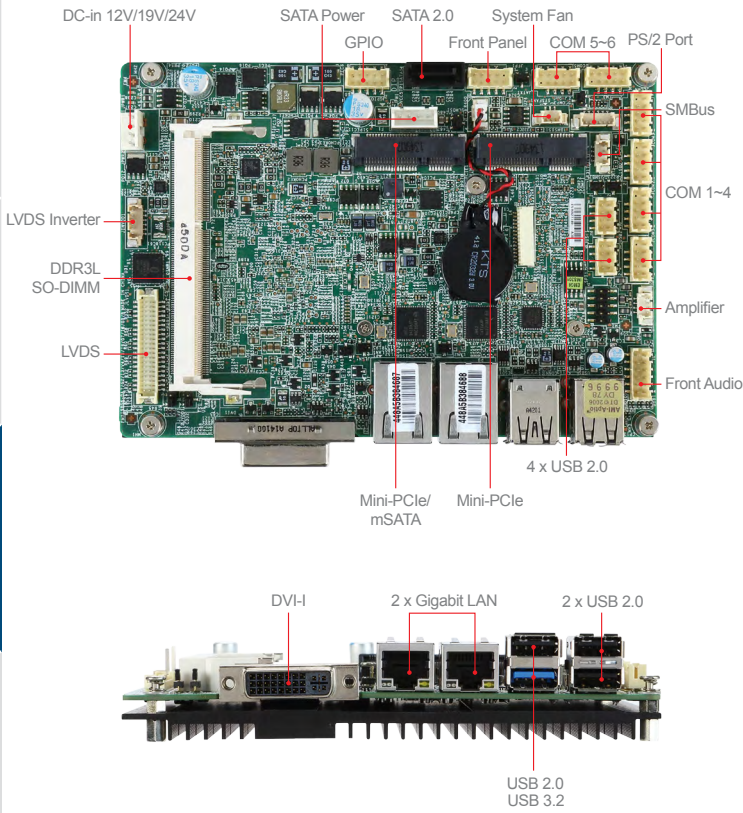
EPIC Board

Mini-ITX Board

Micro-ATX Board

ATX Board

Peripheral



Features

- Intel® Bay Trail-D/M Series SoC
- DDR3L 1333/1600 MHz SODIMM up to 8GB
- Dual independent displays: DVI-I, LVDS
- 2 GbE LAN with RJ-45
- 1 Mini-PCIe (Full size, with mSATA), 1 Mini-PCIe (Full size) Slots
- SATA 2.0 for storage
- USB 3.2 Gen 1, 7 USB 2.0, 6 COM (1 RS-485), GPIO, PS/2, Audio
- DC-IN 12/19/24V

Ordering Information

| Part Number | Description |
|--------------|---|
| 919-98G6-001 | MS-98G6 10 Intel Bay Trail D-J1900, DDR3L SO DIMM+DVI-I+LVDS+2*Mini-PCIe+2*LAN+ 1*SA-TA2.0+1*USB3.0+7*USB 2.0+6*COM, DC 12V/19V/24V |
| 919-98G6-002 | MS-98G6 10 OPT: A Intel Bay Trail M-N2930,DDR3L SO DIMM+DVI-I+LVDS+2*Mini-PCIe+2*LAN+ 1*SA-TA2.0+1*USB3.0+7*USB 2.0+6*COM, DC 12V/19V/24V |
| 919-98G6-003 | MS-98G6\609-98G6-050\809-98G6-007\M5-98G6 VER 11 Intel Bay Trail D-J1900 D1,DDR3L SO DIMM+DVI-I+LVDS+2*Mini-PCIe+2*LAN+ 1*SA-TA2.0+1*USB3.0+7*USB 2.0+6*COM,DC12V/19V/24V for Channel |

Packing List

| Part Number | Description | Quantity |
|-----------------|------------------------------|----------|
| K10-3002145-V03 | DC Power Cable, 120mm | 1 |
| K14-1009062-V03 | COM Port Cable, 250mm | 1 |
| K1B-3008067-V03 | USB Cable, 150mm | 1 |
| K1D-1012064-V03 | SATA Cable with Power, 200mm | 1 |

Specifications

| | | |
|--------------------------|-----------------------|--|
| Processor | CPU | Intel® Celeron® Processor J1900, QC, 10W Intel® Celeron® Processor N2930, QC, 7.5W |
| | Frequency | J1900, 2 GHz N2930, 1.83 GHz |
| | L2 Cache | 2MB |
| | CPU Type | BGA |
| | Chipset | N/A |
| | BIOS | AMI |
| Memory | Technology | Single-channel DDR3L 1333 MHz |
| | Max. Capacity | Up to 8GB |
| | Socket | 1 x 204-pin SO-DIMM |
| Display | Controller | Intel® HD Graphics |
| | Graphic Memory | Depends on CPU |
| | LVDS | Dual channel 18/24-bit |
| | DVI | 1 (DVI-I) |
| | Multiple Display | 2 independent displays |
| Display Interface | Display Interface | LVDS up to 1920 x 1200 @60Hz DVI-I up to 1920 x 1200 @60Hz |
| | Ethernet | Controller |
| Audio | Controller | Realtek® ALC887-VD2-CG HD Audio Codec |
| Super I/O | Controller | Fintek F81866AD-I |
| H/W Monitor | Watchdog Timer | 256-level Watchdog Timer |
| | Smart Fan | Yes |
| TPM | Controller | N/A |
| I/O Interface | USB | 7 x USB 2.0 (4 x internal, 3 x rear) 1 x USB 3.2 Gen 1 (rear) |
| | Serial | 6 x COM ports (internal) COM1: RS-232/422/485, 0V/5V/12V COM2-6: RS-232, 0V/5V/12V |
| | Parallel | N/A |
| | PS/2 | 1 (wafer connector) |
| | GPIO | 8-bits (4 x GPI; 4 x GPO), 5V |
| | Expansion Slot | M.2 |
| Storage | Mini-PCIe | 2 x Full-size (one w/mSATA) |
| | SATA | 1 x SATA 2.0 |
| Storage | mSATA | 1 |
| | Power Supply | DC |
| Environment | ATX | N/A |
| | Operating Temperature | -10 ~ 60°C Note: Thermal w/ Airflow:0.7m/s |
| | Operating Humidity | 10 ~ 90%, non-condensing |
| | Storage Temperature | -20 ~ 80°C |
| Form Factor | Storage Humidity | 10 ~ 90%, non-condensing |
| | Dimensions | 146 x 102 mm (3.5") |
| | Weight | 0.31 kg |
| Certification | EMC | FCC, CE, RCM, VCCI, BSMI |
| Software Platform | OS Support | Windows 7 (32/64-bit) Windows 8.1 (32/64-bit) Windows 10 (32/64-bit) Linux (Support by request) |