PICO319

Pico-ITX SBC with Intel® Atom® x5-E3940 Processor, DisplayPort, LVDS, 2 GbE LAN and Audio

Features

- Intel® Atom® x5-E3940 processor
- 1 DDR3L SO-DIMM for up to 8GB of memory
- 2 GbE LAN
- 1 PCI Express Mini card slot with mSATA supported
- Supports M.2 Key B

Core System

- CPU: Intel® Atom® x5-E3940 processor onboard
- System Memory: 1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB
- Chipset: SoC integrated
- BIOS: AMI
- SSD: 1 x M.2 Key B (SATA, USB 2.0, PCIe x2 optional) in 22x42 or 30x42
- Watchdog Timer: 65536 levels, 1 to 65535 sec.
- Expansion Interface: 1 x Half-size PCI Express Mini card slot with mSATA supported
- Battery Lithium: Lithium 3V/220 mAh
- Power Input: 2 x 2-pin connector +12V DC-in only
- AT Auto Power On function supported
- Power Requirements: Intel® Atom® x5-E3940 @1.6 GHz, 8GB DDR3L
- Dimensions: 100 x 72 mm
- Board Thickness: 1.6 mm
- Operating Temperature: -40°C to +70°C (-40°F to 158°F)
- Humidity: 10% to 95% relative humidity, non-condensing

I/O

- SATA: N/A
- Hardware Monitoring: Detect CPU/system temperature and voltage
- Ethernet: 2 x 10/100/1000 Mbps Ethernet with Intel® i211-AT; support Wake-on-LAN, PXE Boot ROM
- USB: 2 x USB 2.0, 2 x USB 3.0
- Serial: 1 x RS-232/422/485, 1 x RS-232
- TPM: N/A
- SMBus: Yes, compatible with I²C
- Digital I/O: 4-channel in/out programmed

Display

- Chipset: Intel® integrated Gfx graphic engine
- Memory Size: Share system memory
- Display Interface: 1 x DisplayPort, 1 x LVDS, 18/24-bit single/dual channel

Packaging Information

- Accessories: PICO319PGGA-E3940 (P/N: E38H319100)
- Standard: Pico-ITX SBC with Intel® Atom® x5-E3940 processor (1.6 - 1.8 GHz, 2MB cache, 9.5W), DisplayPort, LVDS, 2 GbE LAN, 2 USB 2.0, and 2 USB 3.0 (without heatsink)
- Optional: PICO319PGGA-E3940 70°C (P/N: E38H319101)
- Power cable, L=100 mm
- Heatspreader
- Power cable for adapter, L=180mm
- Adapter cable for adapter, L=180mm
- Audio cable with bracket, P=1.25 mm, L=300 mm
- COM port cable DB9-9 x 1-pin, P=1.25 mm, L=250 mm
- 2 x USB 2.0 cable with bracket, L=180 mm
- Buzzer cable 9 x 5.5 mm 2-pin, L=40 mm
- AX93A19 SIM card slot board