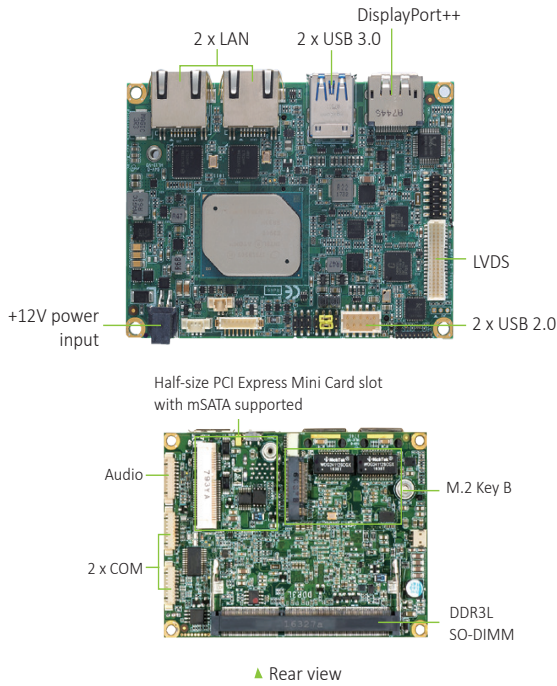


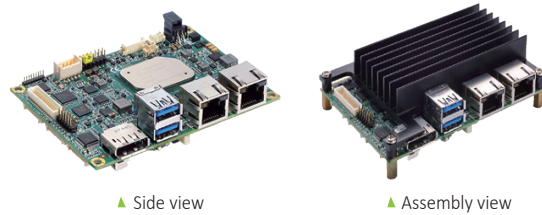
PICO319

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
- 1 PCI Express Mini Card slot with mSATA supported
- 2 GbE LAN
- M.2 Key B



Specifications

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, USB 3.0, PCIe x2 optional) in 22 x 42 or 30 x 42 1 x mSATA (optional) |
| Watchdog Timer | 65536 levels, 1 to 65535 sec. |
| Expansion Interface | 1 x Half-size PCI Express Mini Card slot |
| 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, min. RMS: +12V @1.3A |

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 |

I/O

| | |
|---------------------|--|
| SATA | N/A |
| Hardware Monitoring | Detect CPU/system temperature and voltage |
| Ethernet | 2 x 10/100/1000 Mbps Ethernet with Intel® I210-AT; support Wake-on-LAN, PXE Boot ROM |
| Audio | HD Codec audio as MIC-in/Line-in/Line out with Realtek ALC662 |
| 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 I ² C |
| Digital I/O | 4-channel in/out programmed |

Mechanical and Environmental

| | |
|-----------------------|--|
| 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 |

Packing List

Accessories

| | |
|--------------|-----------------------|
| 594H3160400E | Power cable, L=100 mm |
|--------------|-----------------------|

Ordering Information

Standard

| | |
|--|--|
| PICO319PGGA-E3940 (P/N: E38H319100) | 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 (P/N: E38H319101) | 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 (with heatsink) |
| 7128H319000E | Heatspreader |
| 594H3180400E | Power cable for adapter, L=180mm |
| 50966124050E | Adapter 12V 60W FSP060-DHAN3 with screw |
| 59312260020E | Audio cable with bracket, P=1.25 mm, L=450 mm |
| 59380880250E | COM port cable DB9-9 x 1-pin, P=1.25 mm, L=250 mm |
| 594E8422800E | 2 x USB 2.0 cable with bracket, L=180 mm |
| 594H3186800E | Buzzer cable 9 x 5.5 mm 2-pin, L=40 mm |
| E393A19100 | AX93A19 SIM card slot board |

Assured Systems

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US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660