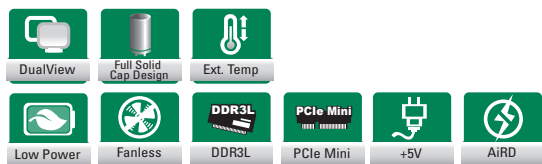


PICO317

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

Features

- Dual-core Intel® Atom® x5-E3940 processor (code name: Apollo Lake)
- 1 DDR3L-1867 SO-DIMM for up to 8GB of memory
- 2 COM, 2 USB 2.0, and 3 USB 3.0
- 1 PCI Express Mini Card slot with mSATA supported
- Wide operating temperature range from -40°C to +70°C



Core System

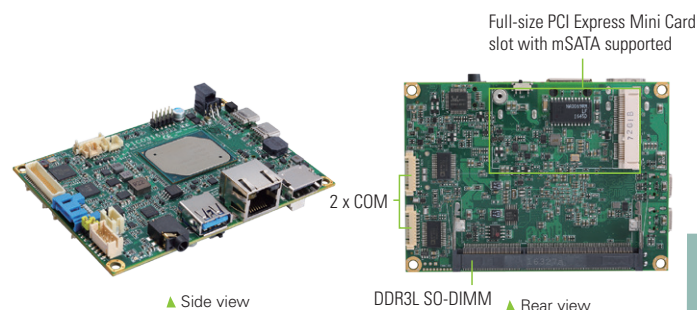
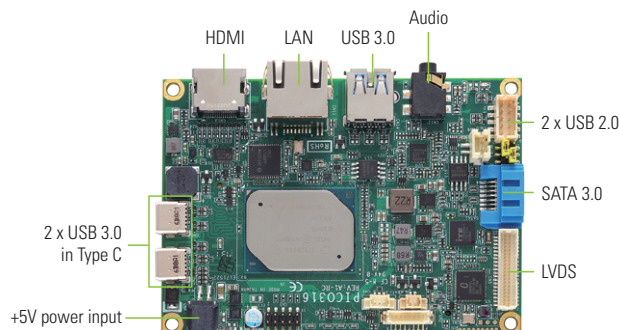
| | |
|-----------------------|--|
| CPU | Intel® Atom® x5-E3940 processor onboard |
| System Memory | 1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB |
| Chipset | SoC integrated |
| BIOS | AMI |
| SSD | N/A |
| Watchdog Timer | 65536 levels, 0 to 65535 sec. |
| Expansion Interface | 1 x Full-size PCI Express Mini Card slot with mSATA supported |
| Battery Lithium | Lithium 3V/220 mAh |
| Power Input | 2 x 2-pin connector +5V DC-in only AT Auto Power On function supported |
| Power Requirements | Intel® Atom® x5-E3940 @1.6 GHz 8GB DDR3L, min. RMS: +5V @2.9A |
| 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 | 1 x SATA-600 |
| Hardware Monitoring | Detect CPU/system temperature and voltage |
| Ethernet | 1 x 10/100/1000 Mbps Ethernet with Intel® i211-AT; supports Wake-on-LAN, PXE Boot ROM |
| Audio | HD Codec audio as Line-out with Realtek ALC662 |
| USB | 2 x USB 2.0 3 x USB 3.0 |
| Serial | 2 x RS-232 |
| TPM | N/A |
| SMBus | Yes; compatible with I ² C |
| Digital I/O | N/A |

Display

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



Packing List

Accessories

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

Ordering Information

Standard

| | |
|------------------------------------|--|
| PICO317HGA-E3940 (P/N: E38H317100) | Pico-ITX SBC with Intel® Atom® x5-E3940 processor (1.6 - 1.8 GHz, 2MB cache, 9.5W), HDMI, LVDS, GbE LAN, 3 USB 3.0, and 2 USB 2.0 (without heatsink) |
|------------------------------------|--|

Optional

| | |
|---|---|
| PICO317HGA-E3940 70°C (P/N: E38H317101) | Pico-ITX SBC with Intel® Atom® x5-E3940 processor (1.6 - 1.8 GHz, 2MB cache, 9.5W), HDMI, LVDS, GbE LAN, 3 USB 3.0, and 2 USB 2.0 with heatsink |
| 59380880250E | COM port cable DB9-9 x 1P, P=1.25, L=250 mm |
| 594H3160410E | Power cable for adapter, L=100 mm |
| 7128H316000E | Heatspreader |
| 5090BE26000E | 5V/8A 40W adapter, 4-pin plug with lock |
| 594E8422800E | 2 USB 2.0 cables with bracket, L=180 mm |

Pico-ITX SBCs

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