

# PICO318 NEW

Pico-ITX SBC with Intel® Pentium® Processor N4200 & Celeron® Processor N3350, DisplayPort, LVDS, 2 GbE LANs and Audio

## Features

- Intel® Pentium® processor N4200 & Celeron® processor N3350
- 1 DDR3L SO-DIMM for up to 8GB of memory
- 2 USB 2.0 and 2 USB 3.0
- 1 PCI Express Mini Card slot with mSATA supported
- M.2 Key B



### Core System

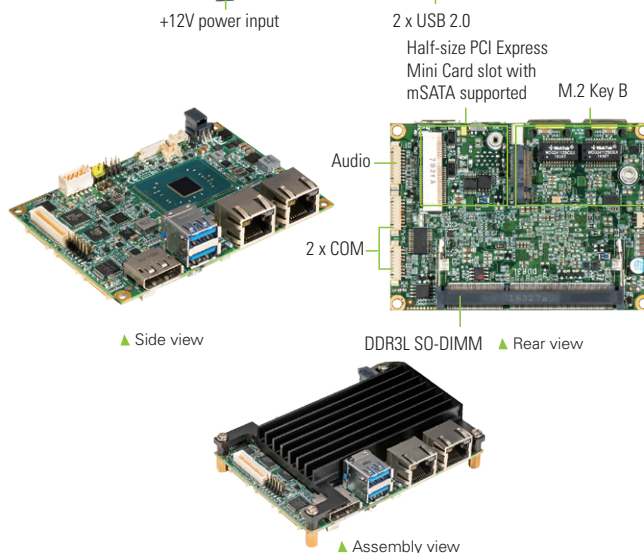
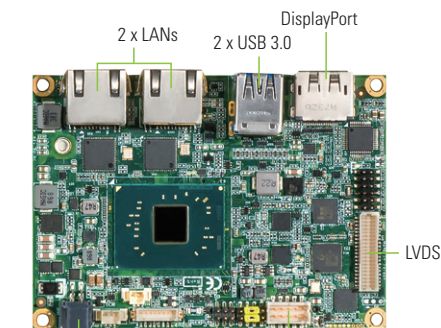
|                       |                                                                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| CPU                   | Intel® Pentium® processor N4200 & Celeron® processor N3350 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 22 x 42 or 30 x 42                                                                |
| 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/220mAh                                                                                                                    |
| Power Input           | 1 x 4-pin connector<br>+12V DC-in only<br>AT Auto Power On function supported                                                        |
| Power Requirements    | Intel® Pentium® N4200 @ 1.1 GHz 8GB DDR3L<br>Max RMS: +12V @1.3A<br>Intel® Celeron® N3350 @ 1.1 GHz 8GB DDR3L<br>Max RMS: +12V @1.1A |
| Dimensions            | 100 x 72 mm                                                                                                                          |
| Board Thickness       | 1.6 mm                                                                                                                               |
| Operating Temperature | -20°C to +60°C (-4°F to +140°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 |
| Audio               | HD Codec audio as Mic-in/Line-in/Line-out with Realtek ALC662                        |
| USB                 | 2 x USB 2.0<br>2 x USB 3.0                                                           |
| Serial              | 1 x RS-232/422/485<br>1 x RS-232                                                     |
| TPM                 | N/A                                                                                  |
| SMBus               | Yes; compatible with i°C                                                             |
| Others              | N/A                                                                                  |
| Digital I/O         | 4-channel in/out programmable                                                        |

### Display

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



### Packing List

#### Standard

Quick installation guide, user's manual/utility CD and accessories

#### Accessories

594H3160400E Power cable, L=100 mm

### Ordering Information

#### Standard

|                                    |                                                                                                                                                             |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PICO318PGA-N4200 (P/N: E38H318101) | Pico-ITX SBC with Intel® Pentium® processor N4200 (1.1 to 2.5 GHz, 2MB cache, 6W), DisplayPort, LVDS, 2 GbE LANs, 2 USB 2.0, and 2 USB 3.0 without heatsink |
| PICO318PGA-N3350 (P/N: E38H318100) | Pico-ITX SBC with Intel® Celeron® processor N3350 (1.1 to 2.4 GHz, 2MB cache, 6W), DisplayPort, LVDS, 2 GbE LANs, 2 USB 2.0, and 2 USB 3.0 without heatsink |

#### Optional

|                                    |                                                                                                                                                     |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| PICO318PGA-N3350 (P/N: E38H318102) | Pico-ITX SBC with Intel® Celeron® processor N3350 (1.1 to 2.4 GHz, 2MB cache, 6W), DisplayPort, LVDS, 2 GbE LANs, 2 USB 2.0, 2 USB 3.0 and heatsink |
| PICO318PGA-N4200 (P/N: E38H318103) | Pico-ITX SBC with Intel® Pentium® processor N4200 (1.1 to 2.5 GHz, 2MB cache, 6W), DisplayPort, LVDS, 2 GbE LANs, 2 USB 2.0, 2 USB 3.0 and heatsink |
| 7128H316000E                       | Heatspreader                                                                                                                                        |
| 594H3180400E                       | PICO318 DC power cable 4P to J                                                                                                                      |
| 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                                                                                                   |
| 59382631000E                       | 2 x USB 2.0 cable with bracket, L=180 mm                                                                                                            |
| 594H3186800E                       | Buzzer cable 9 x 5.5 mm 2-pin, L=40mm                                                                                                               |
| E93A19100                          | AX93A19 SIM card slot board                                                                                                                         |