

CAPA318

3.5" Embedded SBC with Intel® Pentium® Processor N4200 & Celeron® Processor N3350, VGA/LVDS, Dual GbE LANs and Audio

Features

- Intel® Pentium® processor N4200/Celeron® processor N3350
- 1 DDR3L SO-DIMM, up to 8GB
- 2 USB 2.0 and 2 USB 3.0
- PCI Express Mini Card slot with mSATA supported



Core System

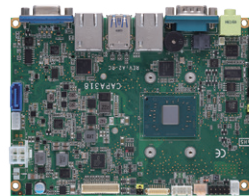
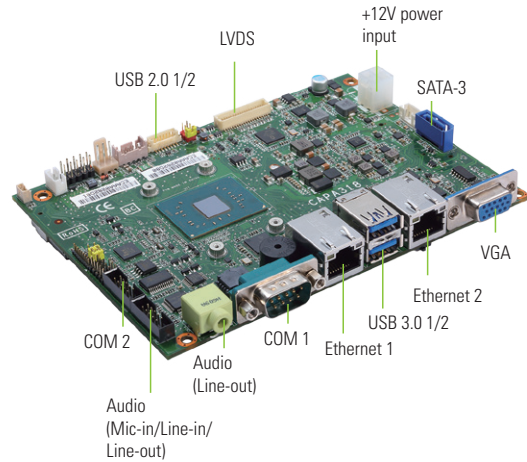
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|---------------------|--|
| CPU | Intel® Pentium® processor N4200/Celeron® processor N3350 onboard |
| System Memory | 1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB |
| Chipset | SoC Integrated |
| BIOS | AMI |
| SSD | N/A |
| Watchdog Timer | 65536 levels, 1 ~ 65535 sec. |
| Expansion Interface | 1 x full-size PCI Express Mini Card slot with mSATA supported 1 x full-size PCI Express Mini Card slot 1 x SIM slot |
| Battery Lithium | Lithium 3 V/220 mAH |
| Power Input | 2 x 2-pin connector +12V DC-in only AT Auto Power On function supported |
| Power Requirements | Intel® Pentium® N4200 @ 1.1 GHz, 8GB DDR3L Max. RMS. +12V @ 1.5A Intel® Celeron® N3350 @ 1.1 GHz, 8GB DDR3L Max. RMS. +12V @ 1.3A |
| Size | 146 x 104 mm |
| Board Thickness | 1.6 mm |
| Temperature | -20°C ~ +70°C (-4°F ~ +158°F), operation |
| Relative Humidity | 10% ~ 95% relative humidity, non-condensing |

I/O

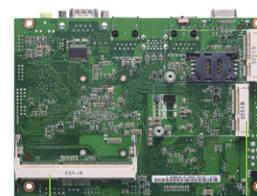
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|------------------------|---|
| MIO | 2 x RS-232 |
| SATA | 1 x SATA-600 |
| Hardware Monitoring | Detect CPU/system temperature, voltage and fan speed |
| Ethernet | 2 ports 10/100/1000 Mbps support Wake-on-LAN, PXE Boot ROM with Intel® i211AT |
| 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 |
| SMBus/I ² C | Yes for advanced monitoring/control |
| Digital I/O | 8 channels in/out programmable |

Display

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



▲ Top view



▲ Rear view
DDR3L SO-DIMM

Full-size PCI Express Mini Card slot with mSATA supported

Full-size PCIe Mini Card

Packing List

Standard

Quick installation guide, user's manual/utility CD

Ordering Information

Standard

| | |
|-------------------------------------|---|
| CAPA318VGGGA-N4200 (P/N:E38E318101) | 3.5" Embedded SBC with Intel® Pentium® processor N4200 (1.1 ~ 2.5 GHz, 2MB Cache, 6W) VGA/LVDS, 2 GbE LANs and audio |
| CAPA318VGGGA-N3350 (P/N:E38E318100) | 3.5" Embedded SBC with Intel® Celeron® processor N3350 (1.1 ~ 2.4 GHz, 2MB Cache, 6W) VGA/LVDS, 2 GbE LANs, and audio |

