

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

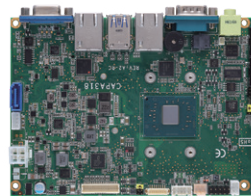
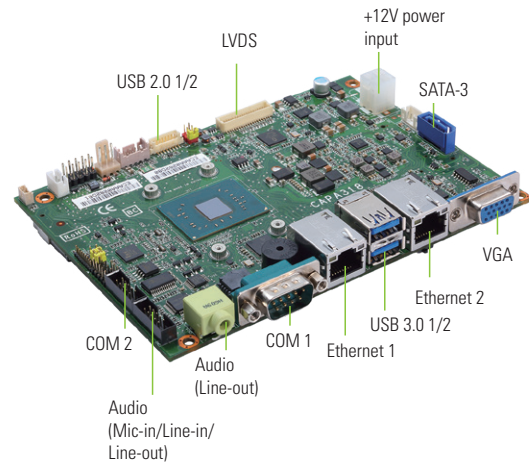
CPU	Intel® Pentium® processor N4200/Celeron® processor N3350 onboard
System Memory	1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB
Chipset	SoC Integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	65536 levels, 1 to 65535 sec.
Expansion Interface	1 x full-size PCI Express Mini Card slot with mSATA supported 1 x full-size 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 to +70°C (-4°F to +158°F), operation
Relative Humidity	10% to 95% relative humidity, non-condensing

I/O

MIO	1 x RS-232/422/485 1 x RS-232
SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	2 x 10/100/1000/2500 Mbps with Wake-on-LAN and PXE Boot ROM, Intel® I225-V
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC888S
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

Full-size PCI Express Mini Card slot with mSATA supported

Full-size PCIe Mini Card

Ordering Information

Standard	
CAPA318VGA-N4200 (P/N: E38E318103)	3.5" Embedded SBC with Intel® Pentium® processor N4200 (1.1 to 2.5 GHz, 2MB Cache, 6W) VGA/LVDS, 2 GbE LANs, audio and heatsink
CAPA318VGA-N3350 (P/N: E38E318102)	3.5" Embedded SBC with Intel® Celeron® processor N3350 (1.1 to 2.4 GHz, 2MB Cache, 6W) VGA/LVDS, 2 GbE LANs, audio and heatsink

Optional	
59382620000E	1 x COM with bracket, P=2.0 mm, L=300 mm
59384500100E	Audio cable w/bracket, P=2.0 mm, L=450 mm
594E8422800E	2 x USB 2.0 wafer cable w/bracket. 180 mm

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