

CAPA318 NEW

3.5" Embedded SBC with Intel® Pentium® Processor N4200 & Celeron® Processor N3350, VGA/LVDS, Dual 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 ports
- PCI Express Mini card with mSATA supported

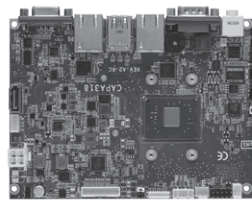
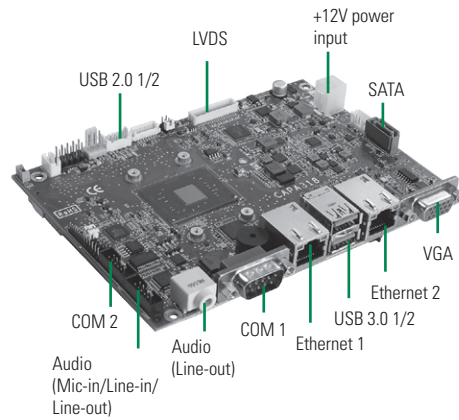


Core System

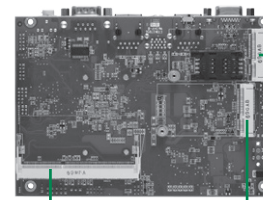
CPU	Intel® Pentium® processor N4200/Celeron® processor N3350 onboard
System Memory	1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB
Chipset	SoC Integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	65536 levels, 1 ~ 65535 sec.
Expansion Interface	1 x full-Size PCI Express Mini Card with mSATA supported 1 x full-Size PCI Express Mini Card 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

MIO	2 x RS-232
SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature and voltage
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
I2C	I ² C Bus for advanced monitoring/control
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 Channels IN/OUT programmed



▲ Top view



▲ Rear view

DDR3L SO-DIMM

Full-Size PCIe Mini Card with mSATA supported

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

Packing List

Standard

Quick installation guide, user's manual/utility CD

Ordering Information

Standard

CAPA318VGGA-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
CAPA318VGGA-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



Embedded SBCs >3.5" Capa

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