

PICO316

Pico-ITX SBC with Intel® Pentium® Processor N4200 & Celeron® Processor N3350, LVDS, HDMI, GbE LAN 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 3 USB 3.0
- 1 PCI Express Mini Card slot with mSATA supported



Core System

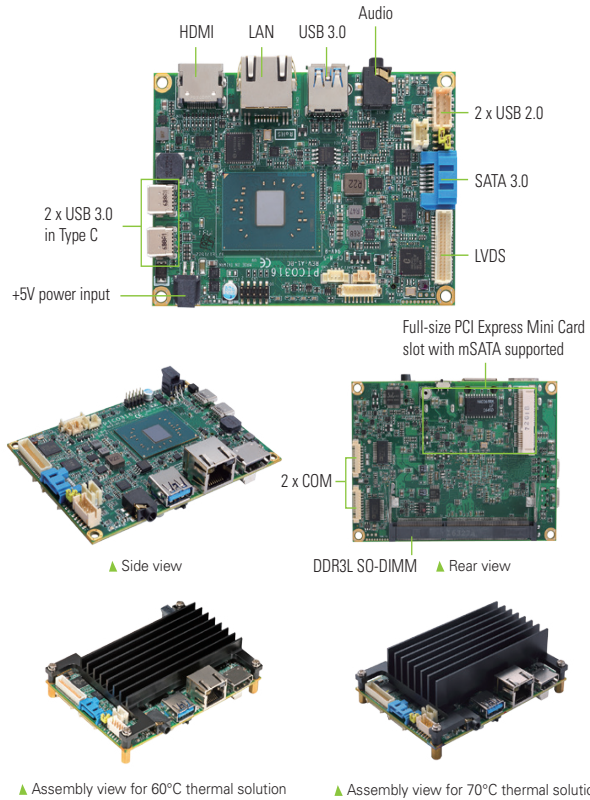
CPU	Intel® Pentium® processor N4200 & Celeron® processor N3350 onboard
System Memory	1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB
Chipset	SoC integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	65536 levels, 1 to 65535 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card slot with mSATA supported
Battery Lithium	Lithium 3V/220mAh
Power Input	2 x 2-pin connector +5V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Pentium® N4200 @ 1.1 GHz 8GB DDR3L Max RMS: +5V @ 3.3A Intel® Celeron® N3350 @ 1.1 GHz 8GB DDR3L Max RMS: +5V @ 2.3A
Dimensions	100 x 72 mm
Board Thickness	1.6 mm
Operating Temperature	Standard: -20°C to +60°C (-4°F to +140°F) Optional: -20°C to +70°C (-4°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	N/A
Others	1 x I ² C
Digital I/O	N/A

Display

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



▲ Assembly view for 60°C thermal solution ▲ Assembly view for 70°C thermal solution

Packing List

Standard	Quick installation guide, user's manual/utility CD and accessories
Accessories	
Part Number	Description
594H3160400E	Power Cable L=100 mm

Ordering Information

Standard	
PICO316HGA-N4200 (P/N: E38H316101)	Pico-ITX SBC with Intel® Pentium® processor N4200 (1.1 to 2.5 GHz, 2MB Cache, 6W), LVDS, HDMI, GbE LAN, 3 USB 3.0 and 2 USB 2.0 without heatsink
PICO316HGA-N3350 (P/N: E38H316100)	Pico-ITX SBC with Intel® Celeron® processor N3350 (1.1 to 2.4 GHz, 2MB Cache, 6W), LVDS, HDMI, GbE LAN, 3 USB 3.0 and 2 USB 2.0 without heatsink
Optional	
PICO316HGA-N3350 60°C (P/N: E38H316102)	Pico-ITX SBC with Intel® Celeron® processor N3350 (1.1 to 2.4 GHz, 2MB Cache, 6W), LVDS, HDMI, GbE LAN, 3 USB 3.0, 2 USB 2.0 and low profile heatsink
PICO316HGA-N4200 60°C (P/N: E38H316103)	Pico-ITX SBC with Intel® Pentium® processor N4200 (1.1 to 2.5 GHz, 2MB Cache, 6W), LVDS, HDMI, GbE LAN, 3 USB 3.0, 2 USB 2.0 and low profile heatsink
PICO316HGA-N3350 70°C (P/N: E38H316104)	Pico-ITX SBC with Intel® Celeron® processor N3350 (1.1 to 2.4 GHz, 2MB Cache, 6W), LVDS, HDMI, GbE LAN, 3 USB 3.0, 2 USB 2.0 and high profile heatsink
PICO316HGA-N4200 70°C (P/N: E38H316105)	Pico-ITX SBC with Intel® Pentium® processor N4200 (1.1 to 2.5 GHz, 2MB Cache, 6W), LVDS, HDMI, GbE LAN, 3 USB 3.0, 2 USB 2.0 and high profile heatsink
5090BE26000E	5V/8A 40W adapter, 4-pin plug with lock
594H3160410E	Power cable for adapter, L=100 mm
7128H316000E	Heatspreader
59380880250E	COM port cable, DB9-9 x 1P, L=250 mm, P=1.25

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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