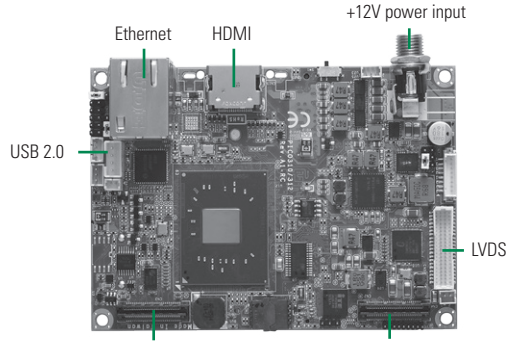
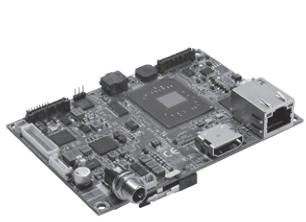
PICO312 NEW

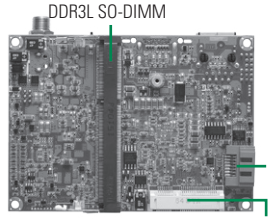
Pico-ITX SBC with Intel® Pentium® Processor N4200 & Celeron® Processor N3350, HDMI (VGA)/LVDS and LAN

Features

- Intel® Pentium® processor N4200 & Celeron® processor N3350 (Apollo Lake)
- 1 DDR3L-1867 SO-DIMM, up to 8GB
- 1 USB 2.0 and 1 Gigabit LAN port
- PCI Express Mini Card with mSATA supported




▲ Side view



▲ Rear view



Core System

CPU	Intel® Pentium® processor N4200 & Celeron® processor N3350 onboard (Apollo Lake)
System Memory	1 x 204-pin DDR3L-1867 SO-DIMM, up to 8GB
Chipset	SoC Integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1 ~ 255 sec.
Expansion Interface	1 x full-size PCI Express Mini Card with mSATA 1 x PCIe x1, 1 x LPC, 1 x DDI, 4 x USB 3.0, 1 x HD audio and 1 x SMBus (through expansion connector)
Battery Lithium	Lithium 3V/220mAH
Power Input	DC power jack connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Pentium® N4200 @8GB DDR3L Max. RMS. +12V @ 1.5A Intel® Celeron® N3350 @8GB DDR3L Max. RMS. +12V @ 1.4A
Size	100 x 72 mm
Board Thickness	1.6 mm
Temperature	-20°C ~ +60°C (-4°F ~ +140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	N/A
SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT
Audio	N/A
USB	1 x USB 2.0
SMBus/I²C	Yes, for advanced monitoring/control
Digital I/O	N/A
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

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 or 1 x VGA

Packing List

Standard

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

Accessories

Part Number	Description	Qty
59403208000E	SATA cable	1
5948P8800600E	SATA power cable	1
5078H313000E	Heatspreader	1
5078H100200E	Heatsink	1
594P8802810E	USB Cable	

Ordering Information

Standard	
PICO312HG-N3350 (P/N: E38H312100)	Pico-ITX SBC with Intel® Celeron® Processor N3350 (1.1 ~ 2.4 GHz, 2 MB Cache, 6W) HDMI/LVDS, 1 GbE LAN and 1 USB 2.0
PICO312VG-N3350 (P/N: E38H312101)	Pico-ITX SBC with Intel® Celeron® Processor N3350 (1.1 ~ 2.4 GHz, 2 MB Cache, 6W) VGA/LVDS, 1 GbE LAN and 1 USB 2.0
PICO312HG-N4200 (P/N: E38H312102)	Pico-ITX SBC with Intel® Pentium® Processor N4200 (1.1 ~ 2.5 GHz, 2 MB Cache, 6W) HDMI/LVDS, 1 GbE LAN and 1 USB 2.0
PICO312VG-N4200 (P/N: E38H312103)	Pico-ITX SBC with Intel® Pentium® Processor N4200 (1.1 ~ 2.5 GHz, 2 MB Cache, 6W) VGA/LVDS, 1 GbE LAN and 1 USB 2.0

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