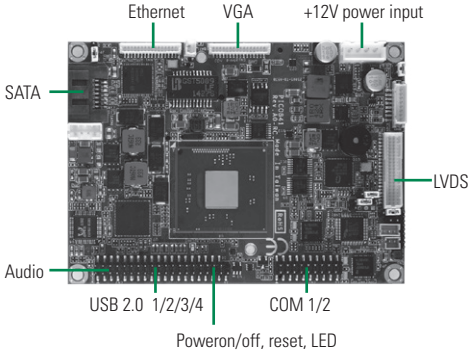
PICO841

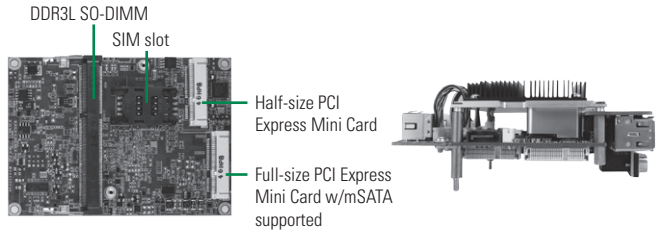
Intel® Atom™ Processor E3845/E3827 Pico-ITX SBC with LVDS/VGA, LAN & Audio



Low Power | DualView | Supports Intel Atom inside | DDR3L | PCIe Mini | +12V | AiRD | Full Solid Cap Design

Features

- Intel® Atom™ processor E3845/E3827
- 1 DDR3L SO-DIMM supports up to 8GB memory capacity
- 4 USB 2.0 ports
- 2 COM ports
- 2 PCI Express Mini Cards



▲ Rear view



▲ Assembly view

System

CPU	Intel® Atom™ processor E3845 quad core, E3827 dual core onboard (Bay Trail)
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM max. up to 8 GB
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 Half-size PCI Express Mini Card
Battery Lithium	Lithium 3V/220mAH
Power Input	1 x 4-pin connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Atom™ E3845 @ 1.91 GHz, 8 GB DDR3L Max. RMS: +12V @ 1.49A Intel® Atom™ E3827 @ 1.75 GHz, 8 GB DDR3L Max. RMS: +12V @ 1.31A
Size	100 x 72 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-232/422/485
SATA	1 x SATA-300
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	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	NA
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

Display

Chipset	Intel® HD Graphics
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 and cable

Accessories

Part Number	Description	Qty
85932831000E	AX93283 I/O board	1
85932671000E	AX93267 I/O board	1
59406308010E	SATA cable	1
59405300610E	SATA power cable	1
5078H841000E	Heatspreader	1
5078H100200E	Heatsink	1

Ordering Information

Standard	
PICO841VGA-E3845 (P/N: E38H841104)	Pico-ITX SBC with Intel® Atom™ processor E3845 (1.91 GHz, 2 MB Cache, 10W), VGA/LVDS, 1 GbE LAN, audio and gift box
PICO841VGA-E3827 (P/N: E38H841105)	Pico-ITX SBC with Intel® Atom™ processor E3827 (1.75 GHz, 1 MB Cache, 8W), VGA/LVDS, 1 GbE LAN, audio and gift box

* All specifications and photos are subject to change without notice.

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