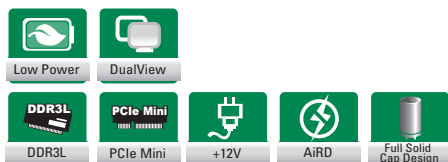


# PICO841

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

## Features

- Intel Atom® processor E3845/E3827
- 1 DDR3L-1066/1333 SO-DIMM, up to 8GB
- 4 USB 2.0 ports
- 2 COM ports
- 2 PCI Express Mini Card slots



### Core System

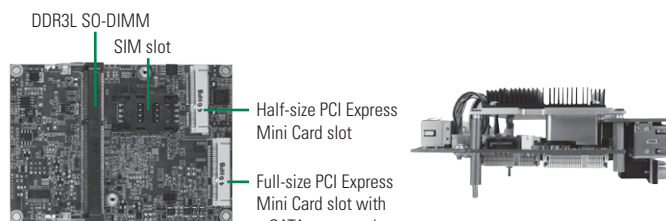
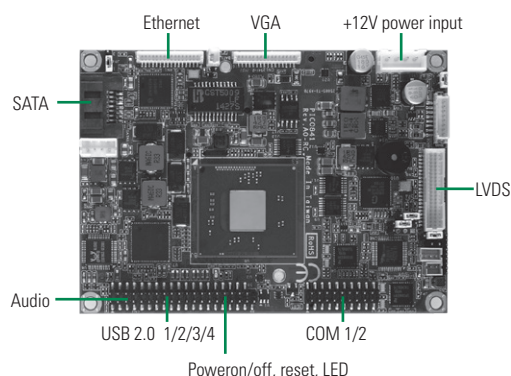
CPU	Intel Atom® processor E3845 quad core onboard (Bay Trail)
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB
Chipset	SoC integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1 to 255 sec.
Expansion Interface	1 x full-size PCI Express Mini Card slot with mSATA 1 x half-size PCI Express Mini Card slot
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, 8GB DDR3L Max. RMS: +12V @ 1.49A
Size	100 x 72 mm
Board Thickness	1.6 mm
Temperature	-20°C to +70°C (-4°F to +158°F), operation
Relative Humidity	10% - 95% relative humidity, non-condensing

### I/O

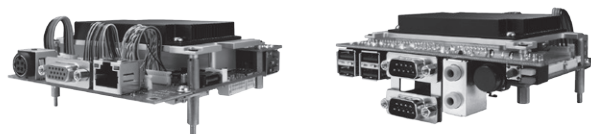
MIO	2 x RS-232/422/485
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC888S
USB	4 x USB 2.0
SMBus	System Management Bus for advanced 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



▲ Rear view



▲ Assembly view

### 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
594H3130600E	SATA power cable	1
5078H843000E	Heatspreader	1
5078H100200E	Heatsink	1

#### Optional

Part Number	Description
594H8302800E	USB cable 20 x 2P, P=2.0 mm, L=200 mm
594H8303000E	Audio cable 20 x 2P, P=2.0 mm, L=200 mm
594H8301600E	Power/Reset button + LED cable
594H8302100E	COM cable 10 x 2P, P=2.0 mm, L=200 mm
59340000200E	USB + audio + LED cable, L=200 mm

### Ordering Information

#### Standard

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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Single Board Computers](#) category:*

*Click to view products by [Axiomtek](#) manufacturer:*

Other Similar products are found below :

[MANO882VPGGA-H81](#) [SSD3200W-S-SLC-INN 20-101-0738](#) [MVME61006E-2173R](#) [SHB230DGGA-RC](#) [CM2-BT2-E3825-ETT](#)  
[IMB210VGGA](#) [IB915F-3955](#) [MI958F-16C](#) [S2600WFT](#) [S2600STB](#) [BBS2600BPS](#) [BLKNUC7I3DNHNC1978015](#) [DEV-17745](#)  
[BEAGLEBOARD POCKET](#) [MICROSOM I2 + WIFI/BT](#) [HUMMINGBOARD-I2EX BASE + WIFI/BT](#) [HUMMINGBOARD-I4 PRO +](#)  
[WIFI/BT](#) [VAB-600-B](#) [MITX-440-DVI-2E](#) [ATCA-7365-D-24GB](#) [NITX-315-DEVKIT](#) [A13-SOM-512](#) [NITX-315](#) [BANANA PI BPI-M1+](#)  
[A13-SOM-WIFI-4GB](#) [AM3359-SOM-EVB-IND](#) [UPS-APLC2-A10-0432](#) [DFR0419](#) [UPS-APLP4-A10-0864](#) [UPS-APLP4-A10-0432](#) [UPS-](#)  
[APLP4-A10-08128](#) [MI977F-Q27](#) [BBBLUE](#) [IB811F-I30](#) [DFR0470-ENT](#) [Nit6Q\\_i](#) [M2M \(TELIT\)](#) [RELAY](#) [PROFESSIONAL](#)  
[GCS22.2.080.2.2.I](#) [GCS22.8.100.4.2.I](#) [GLS11.2.053.2.2.E](#) [A20-OLINUXINO-LIME-E16GS16M](#) [A20-OLINUXINO-LIME-S16M](#) [A20-](#)  
[OLINUXINO-LIME2-E16GS16M](#) [A20-OLINUXINO-MICRO-S16M](#) [BANANA PI BPI-W2](#) [T2-OLINUXINO-LIME2-S16M-IND](#) [T2-](#)  
[OLINUXINO-MICRO-E8GS16M-IND](#)