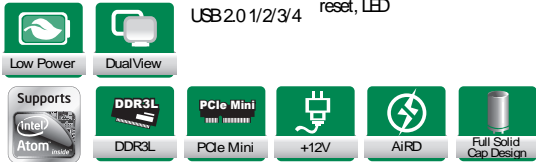
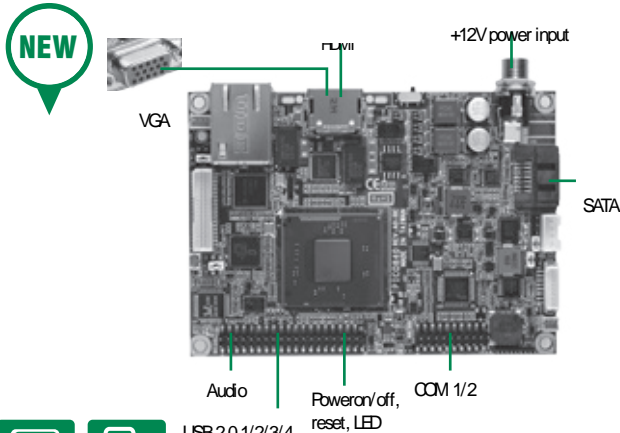


# PICO840 Single Board Computer

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



## System

CPU	Intel® Atom™ processor E3845 1.91GHz quad core, E3827 1.75GHz dual core onboard (Bay Trail)
System Memory	1 x 204-pin DDR3L-1066/ 1333 SO-DIMM max. up to 8GB
Chipset	SoC integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x Full-Size Mini PCI Express Mini Card with mSATA supported
Battery Lithium	Lithium 3V/ 220mAh
Power Input	DC power jack connector +12V DC in only AT Auto Power On function supported
Power Requirements	TBD
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

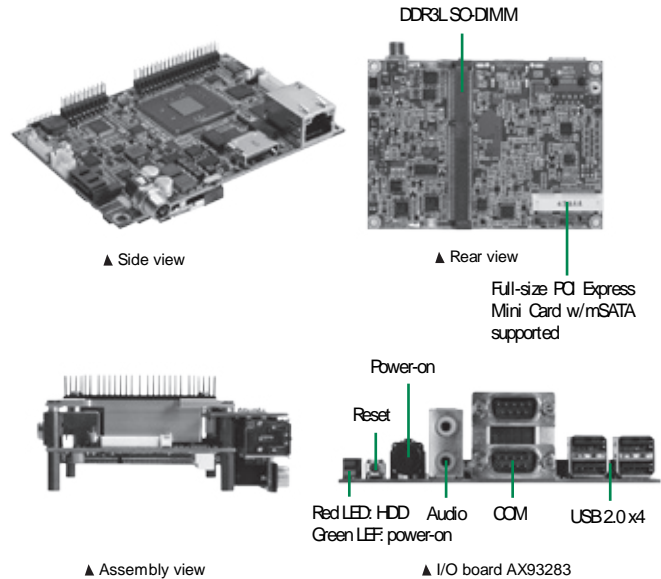
MIO	2 x RS-232/ 422/ 485
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU system temperature and voltage
Ethernet	1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel i210IT
Audio	HD Codec audio as MIC in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	NA

## Display

Chipset	Intel integrated Gx graphic engine
Memory Size	Share System memory
Display Interface	1 x VGA or 1 x HDMI 1 x LVDS, 18/24-bit single/dual channel

## Features

- Intel® Atom™ processor E3845 (1.91GHz)/E3827 (1.75GHz) (Bay Trail)
- 1 DDR3L SO-DIMM supports up to 8GB memory capacity
- 4 USB 2.0 ports
- 2 COM ports (RS-232/ 422/ 485 selectable)
- PCI Express Mini Card w/ mSATA supported



## Packing List

Standard		
Quick installation guide, User's Manual/Utility CD and cable		
Accessories		
Part Number	Description	Qty
	AX93283 I/O board	1
594K5328200E	SATA+power wire cable L=60mm	1
	Heatspreader	1
	Heatsink	1
Optional		
Part Number	Description	
594H-B302800E	USB CABLE 20x2PP=2.0 mm L=200mm	
594H-B303000E	AUDIO CABLE 20x2PP=2.0 mm L=200mm	
594H-B301600E	Power/Reset button + LED CABLE	
594H-B302100E	COM CABLE 10x2PP=2.0 mm L=200mm	
59340000200E	USB+AUDIO+LED CABLE L=200mm	

## Ordering Information

Standard	
PICO840VGA-E3845	Pico-ITX SBC with Intel® processor E3845 1.91GHz and VGA/LVDS, 1 GE, Audio and Gift Box
PICO840VGA-E3827	Pico-ITX SBC with Intel® processor E3827 1.75GHz and VGA/LVDS, 1 GE, Audio and Gift Box
PICO840HGA-E3845	Pico-ITX SBC with Intel® processor E3845 1.91GHz and HDMI/LVDS, 1 GE, Audio and Gift Box
PICO840HGA-E3827	Pico-ITX SBC with Intel® processor E3827 1.75GHz and HDMI/LVDS, 1 GE, Audio and Gift Box