

NANO840

Nano-ITX SBC with Intel® Atom™ Processor E3845/E3827, LVDS/VGA/HDMI, Dual LANs and Audio

Features

- Intel® Atom™ processor E3845/E3827
- 1 DDR3L-1066/1333 SO-DIMM, up to 8GB
- 5 USB 2.0 ports and 1 USB 3.0 port
- 2 COM ports
- 2 PCI Express Mini Card slots

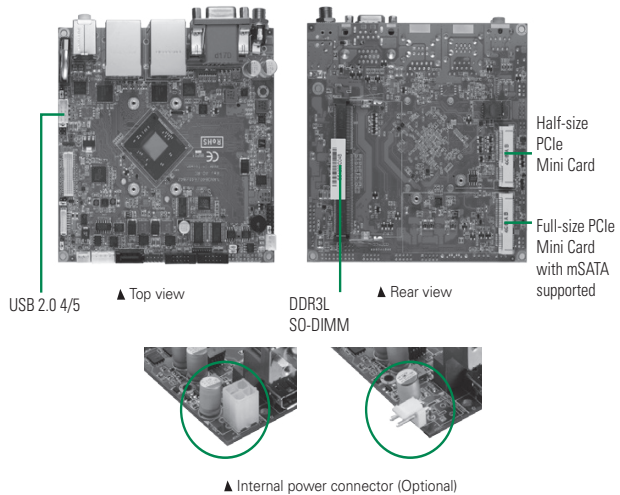
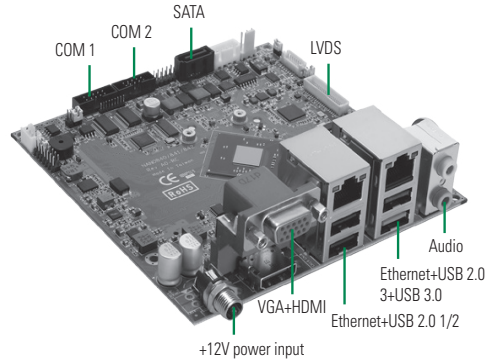


Core System

CPU	Intel® Atom™ processor E3845 quad core, E3827 dual core onboard
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 ~ 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	DC power jack connector +12V DC-in AT Auto Power On function supported
Power Requirements	Intel® Atom™ E3845 @1.91 GHz 8GB DDR3L Max. RMS: +12V @ 0.9A Intel® Atom™ E3827 @1.75 GHz 8GB DDR3L Max. RMS: +12V @ 0.8A
Size	120 x 120 mm
Board Thickness	1.6 mm
Temperature	-40°C ~ +80°C (-40°F ~ +176°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x RS-232/422/485 (+5V/+12V powered) 1 x RS-232
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 ports 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	5 x USB 2.0 1 x USB 3.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmed
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 1 x HDMI

Packing List

Standard		
Quick installation guide, user's manual/utility CD and cable		
Cable		
Part Number	Description	Qty
59382620000E	1 x COM cable w/ bracket, P=2.0 mm, L=300 mm	1
Optional		
50966124030E	ADAPTER 12V60W FSP060-DIBAN2 W/SCREW	
59406260610E	SATA power, L=10cm	

Ordering Information

Standard	
NANO840VHGA-E3845 (P/N: E38K840100)	Nano-ITX SBC with Intel® Atom™ processor E3845 (1.91 GHz, 2 MB Cache, 10 W), VGA/LVDS/HDMI, 2 GbE LANs, audio and gift box
NANO840VHGA-E3827 (P/N: E38K840101)	Nano-ITX SBC with Intel® Atom™ processor E3827 (1.75 GHz, 1 MB Cache, 8 W), VGA/LVDS/HDMI, 2 GbE LANs, audio and gift box

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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