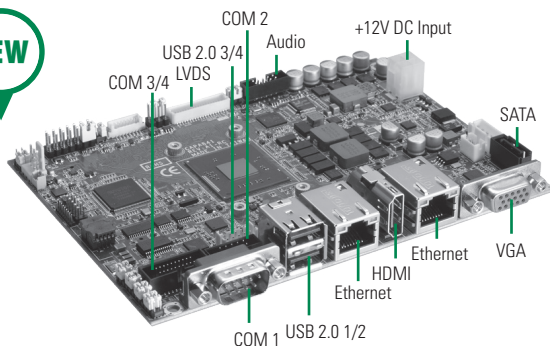


CAPA841

Intel® Atom™ Processor E3845/E3827
3.5" Embedded SBC with LVDS/VGA/HDMI,
Dual LANs and Audio



System

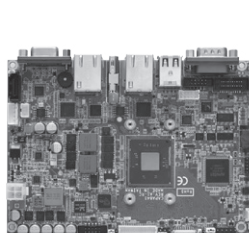
CPU	Intel® Atom™ processor E3845 1.91 GHz quad core or E3827 1.75 GHz dual core onboard (Bay Trail)
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM max. up to 8 GB
Chipset	SoC Integrated
BIOS	AMI
SSD	1 x CFAST™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x Full-Size Mini PCI Express Mini Card w/ mSATA 1 x Half-Size Mini PCI Express Mini Card 1 x SIM slot
Battery Lithium	Lithium 3V/220mAh
Power Input	2 x 2-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 @ 1.22A Intel® Atom™ E3827 @ 1.75 GHz, 8 GB DDR3L Max. RMS: +12V @ 0.96A
Size	146 x 104 mm
Board Thickness	1.6 mm
Temperature	Standard: -40°C ~ +80°C (-40°F ~ +176°F) Optional: -20°C ~ +80°C (-4°F ~ +176°F)
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

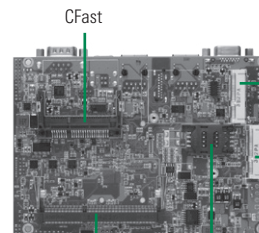
MIO	2 x RS-232/422/485; with +5V/+12V powered 2 x RS-232; with +5V/+12V powered
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 x 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i210IT
Audio	HD Codec audio as MIC-in/Line-in/Line-out/Speaker out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmed
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

Features

- Intel® Atom™ processor E3845 (1.91 GHz)/ E3827 (1.75 GHz)
- 1 DDR3L SO-DIMM supports up to 8 GB memory capacity
- 4 USB 2.0 ports
- 4 COM ports
- 2 PCI Express Mini Card and 1 SIM slot
- 2 Gigabit Ethernet ports
- Display: LVDS/VGA/HDMI in dual view



▲ Top view



▲ Rear view

DDR3L SO-DIMM

SIM slot

Full-size PCI Express Mini Card w/mSATA supported
Half-size PCI Express Mini Card

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, cable

Cable

Part Number	Description	Qty
59382620000E	1 x COM w/ bracket P=2.0 mm, L=300 mm	1
59384500100E	Audio cable w/ bracket P=2.0 mm, L=450 mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180 mm	1

Ordering Information

Standard

CAPA841VHGA-E3845 w/ET (P/N:E38E841109)	3.5" Embedded SBC with Intel® Atom™ E3845 1.91 GHz, VGA/LVDS/HDMI, 2 GbE LAN and audio
CAPA841VHGA-E3827 w/ET (P/N:E38E841110)	3.5" Embedded SBC with Intel® Atom™ E3827 1.75 GHz, VGA/LVDS/HDMI 2 GbE LAN and audio