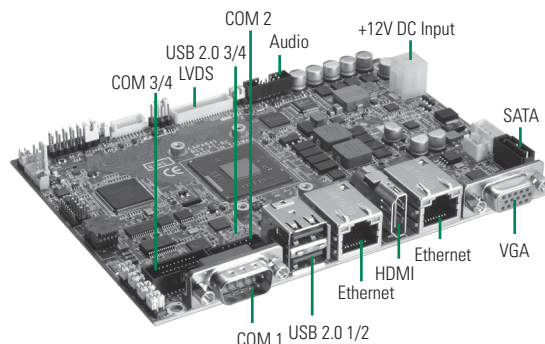


# CAPA841

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

## Features

- Intel® Atom™ processor E3845/E3827 (Bay Trail SoC)
- 1 DDR3L-1066/1333 SO-DIMM, up to 8GB
- 4 USB 2.0 ports
- 4 COM ports
- 2 PCI Express Mini Card and 1 SIM slot
- 2 Gigabit Ethernet ports
- LVDS/VGA/HDMI with dual-view supported

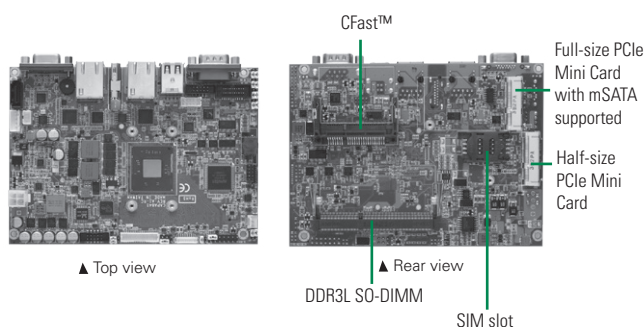


### Core System

|                     |  |
|---------------------|--|
| CPU                 | Intel® Atom™ processor E3845 quad core or E3827 dual core onboard (Bay Trail)  |
| System Memory       | 1 x 204-pin DDR3L-1066/1333 SO-DIMM, up to 8GB   |
| Chipset             | SoC Integrated   |
| BIOS                | AMI  |
| SSD                 | 1 x CFast™   |
| Watchdog Timer      | 255 levels, 1~255 sec.   |
| Expansion Interface | 1 x Full-size PCI Express Mini Card with mSATA<br>1 x Half-size PCI Express Mini Card<br>1 x SIM slot                                    |
| Battery Lithium     | Lithium 3V/220mAH  |
| Power Input         | 2 x 2-pin connector<br>+12V DC-in only<br>AT Auto Power On function supported  |
| Power Requirements  | Intel® Atom™ E3845 @ 1.91 GHz, 8GB DDR3L<br>Max. RMS: +12V @ 1.22A<br>Intel® Atom™ E3827 @ 1.75 GHz, 8GB DDR3L<br>Max. RMS: +12V @ 0.96A |
| Size                | 146 x 104 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                 | 2 x RS-232/422/485 (+5V/+12V powered)<br>2 x RS-232 (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                                     |



### Display

|                   |  |
|-------------------|--|
| Chipset           | Intel® HD Graphics   |
| Memory Size       | Share System Memory  |
| Display Interface | 1 x VGA<br>1 x LVDS; 18/24-bit single/dual channel<br>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   |

| Optional     |              |
|--------------|--------------|
| Part Number  | Description  |
| 5078E841200E | Heatspreader |

### Ordering Information

| Standard                                 |   |  |
|--|---|--|
| CAPA841VHGGG-E3845 w/ET (P/N:E38E841109) | 3.5" Embedded SBC with Intel® Atom™ E3845 (1.91 GHz, 2 MB Cache, 10 W), VGA/LVDS/HDMI, 2 GbE LANs and audio |  |
| CAPA841VHGGG-E3827 (P/N:E38E841110)      | 3.5" Embedded SBC with Intel® Atom™ E3827 (1.75 GHz, 1 MB Cache, 8 W), VGA/LVDS/HDMI, 2 GbE LANs and audio  |  |

