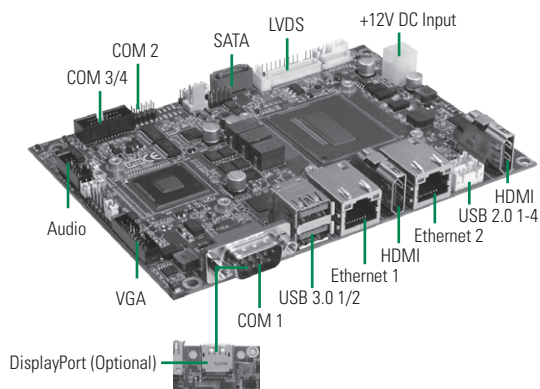


CAPA881

3.5" Embedded SBC with 4th/5th Generation Intel® Core™ i7/i5/i3 & Celeron® Processor, Intel® HM86 (Intel® QM87 optional), LVDS/VGA/Dual HDMI, Dual LANs and Audio



System

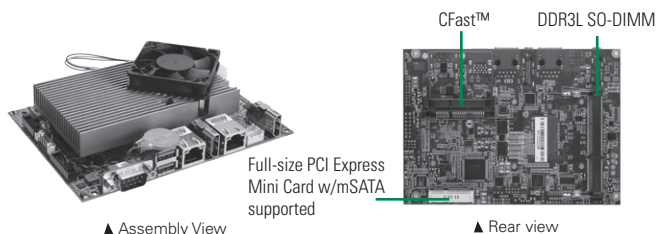
| | |
|---------------------|---|
| CPU | 4th/5th generation Intel® Core™ i7/i5/i3 & Celeron® processor (Haswell/Haswell Refresh/Broadwell) |
| System Memory | 1 x 204-pin DDR3L-1600 SO-DIMM max. up to 8 GB |
| Chipset | Intel® HM86 Intel® QM87 (optional) |
| BIOS | AMI UEFI BIOS |
| SSD | 1 x CFast™ |
| Watchdog Timer | 255 levels, 1~255 sec. |
| Expansion Interface | 1 x Full-size PCI Express Mini Card with mSATA |
| Battery Lithium | Lithium 3V/220mAh |
| Power Input | 2 x 2-pin connector +12V DC-in only AT Auto Power On function supported |
| Power Requirements | 4th Intel® Core™ i7-4700EQ @ 2.4 GHz+HM86 2 GB DDR3L Max. RMS: +12V @ 3.9A 4th Intel® Core™ i5-4402E @ 1.6 GHz+HM86 2 GB DDR3L Max. RMS: +12V @ 2.7A 4th Intel® Core™ i3-4100E @ 2.4 GHz+HM86 2 GB DDR3L Max. RMS: +12V @ 2.9A |
| Size | 146 x 104 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 (COM 1/2); with +5V/+12V powered 2 x RS-232 (COM 3/4) |
| SATA | 1 x SATA-600 |
| Hardware Monitoring | Detect CPU/system temperature, voltage and fan speed |
| Ethernet | 1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT 1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i218LM |
| Audio | HD Codec audio as MIC-in/Line-in/Line-out/Speaker-out with Realtek ALC662 |
| USB | 2 x USB 3.0 4 x USB 2.0 |
| SMBus | System Management Bus for advanced monitoring/control |
| Digital I/O | 8 channels IN/OUT programmed |

Features

- 4th/5th generation Intel® Core™ i7/i5/i3 & Celeron® processor (Haswell/Haswell Refresh/Broadwell)
- Intel® HM86 (Intel® QM87 optional) Chipset
- 1 DDR3L-1600 SO-DIMM max. up to 8 GB
- 2 USB 3.0 and 4 USB 2.0 ports
- 4 COM ports
- Intel® AMT 9.0 supported (optional)



Display

| | |
|-------------------|--|
| Chipset | Intel® integrated Gfx graphic engine |
| Memory Size | Share System memory |
| Display Interface | 1 x VGA 1 x LVDS; 18/24-bit single/dual channel 2 x HDMI 1 x DisplayPort (Optional) |

Packing List

Standard

Quick installation guide, User's Manual/Utility CD and cable

Cable

| Part Number | Description | Qty |
|--------------|---|-----|
| 59401322100E | COM 2 cable 5 x 2P P=2.0 mm, L=190 mm | 1 |
| 59382631000E | 2 x USB 2.0 wafer cable w/ bracket L=180 mm | 1 |
| 59384500100E | Audio cable w/ bracket P=2.45 mm | 1 |

Ordering Information

Standard

| | |
|--|--|
| CAPA881VHGGGA-i7 4700EQ (P/N: E38E881100) | 3.5" embedded SBC with 4th generation Intel® Core™ i7-4700EQ processor 2.4 GHz, Intel® HM86 chipset, VGA/LVDS/HDMI, 2 GbE LANs, audio and gift box |
| CAPA881VHGGGA-i5 4402E (P/N: E38E881102) | 3.5" embedded SBC with 4th generation Intel® Core™ i5-4402E processor 1.6 GHz, Intel® HM86 chipset, VGA/LVDS/HDMI, 2 GbE LANs, audio and gift box |
| CAPA881VHGGGA-i3 4100E (P/N: E38E881104) | 3.5" embedded SBC with 4th generation Intel® Core™ i3-4100E processor 2.4 GHz, Intel® HM86 chipset, VGA/LVDS/HDMI, 2 GbE LANs, audio and gift box |
| CAPA881VHGGGA-i5 4422E (P/N:E38E881110) | 3.5" embedded SBC with 4th generation Intel® Core™ i5-4422E processor 1.8 GHz, Intel® HM86 chipset, VGA/LVDS/HDMI, 2 GbE LANs, audio and gift box |
| CAPA881VHGGGA-Celeron 2000E (P/N:E38E881111) | 3.5" embedded SBC with 4th generation Intel® Celeron® 2000E processor 2.2 GHz, Intel® HM86 chipset, VGA/LVDS/HDMI, 2 GbE LANs, audio and gift box |
| CAPA881VHGGGA-i3 4110E (P/N:E38E881112) | 3.5" embedded SBC with 4th generation Intel® Core™ i3-4110E processor 2.6 GHz, Intel® HM86 chipset, VGA/LVDS/HDMI, 2 GbE LANs, audio and gift box |
| CAPA881VHGGGA-i7 5850EQ (P/N:E38E881113) | 3.5" embedded SBC with 5th generation Intel® Core™ i7-5850EQ processor 2.7 GHz, Intel® HM86 chipset, VGA/LVDS/HDMI, 2 GbE LANs, audio and gift box |

Optional

| | |
|--------------|---|
| 594P8800600E | SATA PWR Cable 4P to 15P P=2.0 mm, L=200 mm |
| 59403208000E | SATA2 Cable 180D to 180D with lock L=200 mm |
| 594E8812000E | CAPA881 VGA cable D-15<->16P P=2.0 mm, L=120 mm |



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[i7-5850EQ QM](#)