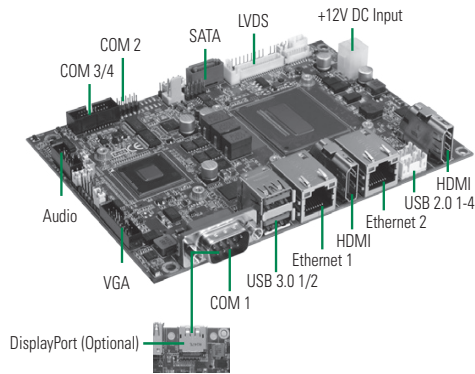


# CAPA881

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

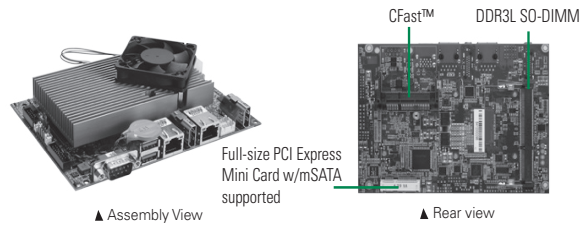
CPU	4th/5th generation Intel® Core™ i7/i5/i3 & Celeron® processor (Haswell/Haswell Refresh/Broadwell)
System Memory	1 x 204-pin DDR3L-1600 SO-DIMM max. up to 8 GB
Chipset	Intel® HM86 Intel® QM87 (optional)
BIOS	AMI UEFI BIOS
SSD	1 x CFast™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x 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

<b>Standard</b>		
Quick installation guide, User's Manual/Utility CD and cable		
<b>Cable</b>		
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=180mm	1
59384500100E	Audio cable w/ bracket P=2.45 mm	1

## Ordering Information

<b>Standard</b>		
CAPA881VHGGGA-i7 4700EQ (P/N: E38E881100)	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	
<b>Optional</b>		
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	

## 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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