

# CAPA500

3.5" Embedded SBC with LGA1151 Socket 7th/6th Gen Intel® Core™ i7/i5/i3 Processor, LVDS/VGA/HDMI, Dual GbE LANs and Audio

## Features

- LGA1151 7th/6th gen Intel® Core™ i7/i5/i3 processor (Kaby Lake/Skylake)
- Intel® H110 chipset (Q170 optional)
- 1 DDR4 SO-DIMM, up to 16GB
- 3 USB 3.0 and 3 USB 2.0
- 1 COM port
- Intel® AMT 11 supported (optional)



## Core System

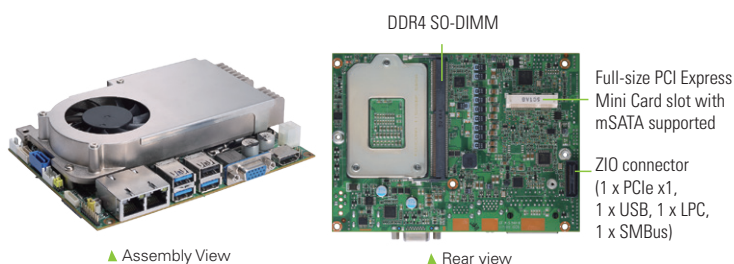
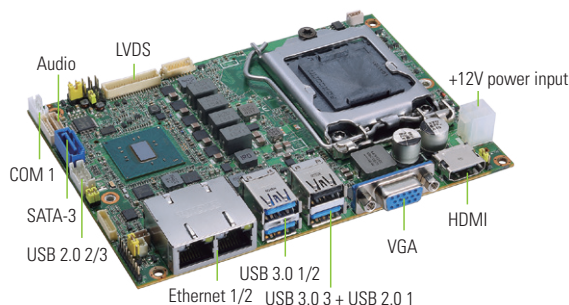
CPU	LGA1151 7th/6th gen Intel® Core™ i7/i5/i3 processor (TDP up to 35W)
System Memory	1 x 260-pin DDR4-2400 SO-DIMM, up to 16GB
Chipset	Intel® H110 Intel® Q170 (optional)
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1 ~ 255 sec.
Expansion Interface	1 x full-size PCI Express Mini Card slot with mSATA supported 1 x USB, 1 x PCIe x1, 1 x LPC, 1 x SMBus through a ZIO connector (optional)
Battery Lithium	Lithium 3V/220mAH
Power Input	2 x 2-pin connector +12V DC-in only AT Auto Power On function supported
Size	146 x 104 mm
Board Thickness	1.6 mm
Temperature	-20°C ~ +60°C (-4°F ~ +140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

MIO	1 x RS-232/422/485; with +5V/+12V powered
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® i219LM
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662
USB	3 x USB 3.0 3 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels in/out programmable

## 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 1 x HDMI



## Packing List

Standard			
Quick installation guide, user's manual/utility CD and cable			
Accessories			
Part Number	Description	Qty	
59380880250E	COM port cable DB9-9x1P L=250 mm P=1.25 mm	1	
59312260020E	Audio cable w/ bracket P=1.25 mm L=450 mm	1	
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180 mm	1	
5078E880100E	Heatsink w/ fan	1	

## Ordering Information

Standard		
CAPA500VHGGGA-H110 (P/N: E38E500103)	3.5" embedded SBC with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 processor, Intel® H110 chipset, VGA/LVDS/HDMI, 2 GbE LANs, audio and gift box	
CAPA500VHGGGA-Q170 (E38E500102)	3.5" embedded SBC with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 processor, Intel® Q170 chipset, VGA/LVDS/HDMI, 2 GbE LANs, audio and gift box	
CAPA500VHGGGA-H110-ZIO (P/N: E38E500101)	3.5" embedded SBC with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 processor, Intel® H110 chipset, VGA/LVDS/HDMI, 2 GbE LANs, audio and ZIO connector	
CAPA500VHGGGA-Q170-ZIO (P/N: E38E500100)	3.5" embedded SBC with LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 processor, Intel® Q170 chipset, VGA/LVDS/HDMI, 2 GbE LANs, audio and ZIO connector	
Optional		
AX93262 (P/N: E393262100)	ZIO module for 2 x RS-232/422/485, 2 x RS-232, 1 x PCI Express Mini Card slot	
AX93285 (P/N: E393285100)	ZIO module for 2 x RS-232, 32-bit programmable DIO	
AX93291 (P/N: E393291100)	ZIO module for 2 x RS-232, 2 x GbE LAN	
AX93295 (P/N: E393295100)	ZIO module for 2 x isolated RS-232, 2 x USB 3.0	