

# CAPA500

3.5" Embedded SBC with LGA1151 Socket for 7th/6th Gen Intel® Core™ i7/i5/i3 Processor, LVDS, VGA, HDMI, 2 GbE LANs and Audio

## Features

- LGA1151 socket 7th/6th gen Intel® Core™ i7/i5/i3 processor (Kaby Lake/Skylake)
- Intel® H110 chipset (Q170 optional)
- 1 DDR4 SO-DIMM for up to 16GB of memory
- 3 USB 2.0 and 3 USB 3.0
- Intel® AMT 11 supported (optional)
- Dual view for H110 chipset; triple view for Q170 chipset



## Core System

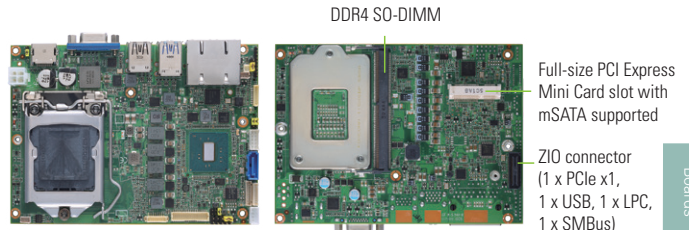
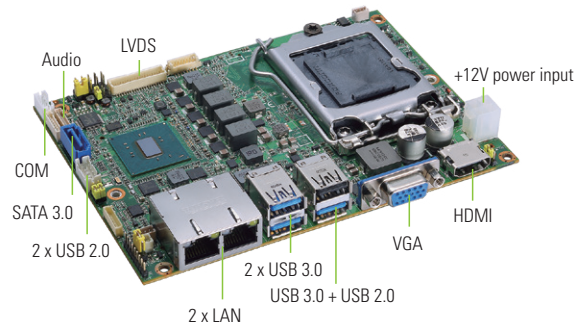
CPU	LGA1151 socket for 7th/6th gen Intel® Core™ i7/i5/i3 processor (TDP=35W only)
System Memory	1 x 260-pin DDR4-2400 SO-DIMM, up to 16GB
Chipset	Intel® H110 Intel® Q170 (optional)
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1 to 255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card slot with 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
Dimensions	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Humidity	10% to 95% relative humidity, non-condensing

## I/O

SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	1 x 10/100/1000 Mbps Ethernet with Intel® i211-AT, supporting Wake-on-LAN, and PXE Boot ROM 1 x 10/100/1000 Mbps Ethernet with Intel® i219-LM, supporting Wake-on-LAN, and PXE Boot ROM
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
Serial	1 x RS-232/422/485; with +5V/+12V powered
TPM	N/A
SMBus	Yes
Others	Intel® AMT 11 (optional)
Digital I/O	8-channel 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



▲ Top view

▲ Rear view



▲ Assembly View

## Packing List

Accessories	
59380880250E	COM port cable DB9-9 x 1-pin, P=1.25, L=250 mm
594E8422800E	2 x USB 2.0 cable with bracket, L=180 mm
738E8800000E	Heatsink with fan
59312260020E	Audio cable P=1.25, L=450mm

## Ordering Information

Standard	
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, LVDS, VGA, 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, LVDS, VGA, HDMI, 2 GbE LANs, audio and ZIO connector

Optional	
AX93262 (P/N: E393262100)	ZIO module for 2 RS-232/422/485, 2 RS-232, 1 PCI Express Mini Card slot
AX93285 (P/N: E393285100)	ZIO module for 2 RS-232, 32-bit programmable DIO
AX93291 (P/N: E393291100)	ZIO module for 2 RS-232, 2 GbE LAN
AX93295 (P/N: E393295100)	ZIO module for 2 isolated RS-232, 2 USB 3.0
AX93A20 (P/N: E393A20100)	ZIO module for PCI Express Mini Card slot
AX93A20 (P/N: E393A20101)	ZIO module for M.2 key E