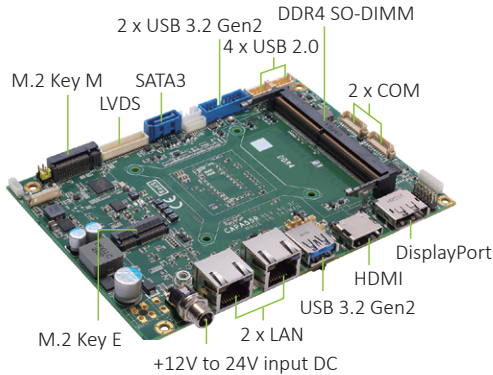


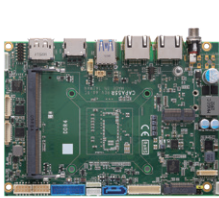
# CAPA55R

3.5" Embedded SBC with 11th Gen Intel® Core™ i7/i5/i3, Celeron® Processor, DisplayPort++, HDMI, LVDS, 1GbE LAN and 2.5GbE LAN

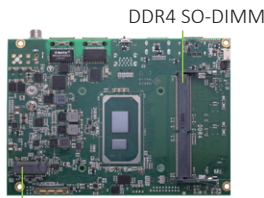


## Features

- 11th gen Intel® Core™ i7/i5/i3 & Celeron® Processor
- 2 DDR4 SO-DIMM for up to 64GB of memory
- GbE LAN and 2.5GbE LAN ports
- 3 M.2 expansion slot



▲ Top view



M.2 Key B ▲ Rear view



▲ Assembly view (Fan)



▲ Assembly view (Heatsink)

## Specifications

### Core System

CPU	11th gen Intel® Core™ i7/i5/i3 & Celeron® Processor (cTDP up to 28W)
System Memory	2 x 260-pin dual-channel DDR4-3200MHz SO-DIMM, up to 64GB
BIOS	AMI
SSD	1 x M.2 Key M (PCIe x4 in 22 x 80)
Watchdog Timer	65536 levels, 0 to 65535 sec.
Expansion Interface	1 x M.2 Key E (PCIe x1, USB 2.0 in 22 x 30) 1 x M.2 Key B (SATA, USB 3.2 gen2, USB 2.0 in 30 x 42 or 30 x 50) 1 x SIM connector via pin header
Battery Lithium	Lithium 3V/220 mAh
Power Input	1 x DC Jack 12V to 24V DC in AT Auto Power On function supported

### Display

Chipset	Intel integrated Gfx graphic engine
Memory Size	Share System memory
Display Interface	1 x HDMI 1.4 1 x LVDS; 18/24-bit single/dual channel 1 x eDP (optional) 1 x DisplayPort ++

## 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® I219-LM 1 x 10/100/1000/2500 Mbps Ethernet with Intel® I225-LM
Audio	HD Audio link via pin header
USB	3 x USB 3.2 Gen2 4 x USB 2.0
Serial	2 x RS-232/422/485
TPM	TPM 2.0 on board
SMBus	Yes, compatible with I <sup>2</sup> C
Digital I/O	8-channel in/out programmed

## Mechanical and Environmental

Dimensions	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	-20°C to +70°C (-4°F to 158°F)
Humidity	10% to 95% relative humidity, non-condensing

## Ordering Information

### Standard

CAPA55RPHGG-i7-1185G7E w/fan (P/N: E38E55R100)	11th gen Intel® Core™ i7-1185G7E 3.5" SBC with DisplayPort++, HDMI, LVDS, GbE LAN, 2.5GbE LAN, and cooler
CAPA55RPHGG-i5-1145G7E w/fan (P/N: E38E55R101)	11th gen Intel® Core™ i5-1145G7E 3.5" SBC with DisplayPort++, HDMI, LVDS, GbE LAN, 2.5GbE LAN, and cooler
CAPA55RPHGG-i3-1115G4E w/fan (P/N: E38E55R102)	11th gen Intel® Core™ i3-1115G4E 3.5" SBC with DisplayPort++, HDMI, LVDS, GbE LAN, 2.5GbE LAN, and cooler
CAPA55RPHGG-CELERON-6305E w/fan (P/N: E38E55R103)	11th gen Intel® Celeron® 6305E 3.5" SBC with DisplayPort++, HDMI, LVDS, GbE LAN, 2.5GbE LAN, and cooler

### Optional

CAPA55R-I71185-H (P/N: E38E55R110)	11th gen Intel® Core™ i7-1185G7E 3.5" SBC with DisplayPort++, HDMI, LVDS, GbE LAN, 2.5GbE LAN, and heatsink
CAPA55R-I51145-H (P/N: E38E55R111)	11th gen Intel® Core™ i5-1145G7E 3.5" SBC with DisplayPort++, HDMI, LVDS, GbE LAN, 2.5GbE LAN, and heatsink
CAPA55R-I31115-H (P/N: E38E55R112)	11th gen Intel® Core™ i3-1115G4E 3.5" SBC with DisplayPort++, HDMI, LVDS, GbE LAN, 2.5GbE LAN, and heatsink
CAPA55R-6305E-H (P/N: E38E55R113)	11th gen Intel® Celeron® 6305E 3.5" SBC with DisplayPort++, HDMI, LVDS, GbE LAN, 2.5GbE LAN, and heatsink
AX93A19 (P/N: E393A19100)	SIM card slot board
AX93A22 (P/N: E393A22100)	HD codec audio board for Mic-in/Line-in/Line-out
594E8422800E	2 USB 2.0 wafer cables w/bracket, 180 mm
59380880250E	COM port cable DB-9 x 1P, P=1.25 mm, L=250 mm
594H3186800E	Buzzer cable 9 x 5.5 mm 2-pin, L=40 mm
59451522810E	USB 3.0 cable 20P to USB type-A/FE*2, L=40 mm
713000000400	CAPA55R heat spreader