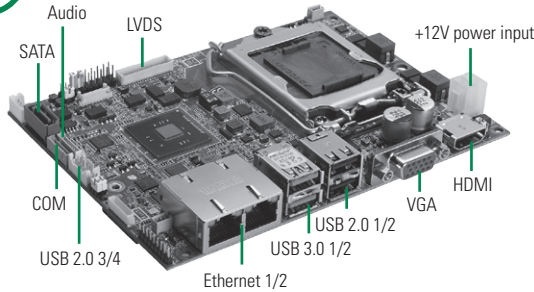
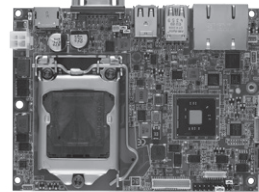


CAPA880

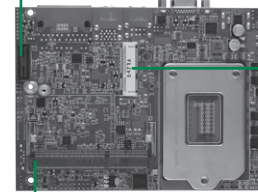
3.5" Embedded SBC with LGA1150 Socket
4th Generation Intel® Core™ i7/i5/i3 &
Celeron® Processor, LVDS/VGA/HDMI,
2 GbE LANs and Audio



- LGA1150 socket 4th generation Intel® Core™ i7/i5/i3 & Celeron® processor
- Intel® H81 chipset
- 1 DDR3-1600 SO-DIMM max. up to 8 GB
- 2 USB 3.0 and 4 USB 2.0 ports
- 1 COM and 2 Gigabit LAN ports



▲ Top view



▲ Rear view

ZIO connector
(1 x PCIe x1, 1 x USB,
1 x LPC, 1 x SMBus)

Full-Size PCI Express
Mini Card w/ mSATA
supported

DDR3 SO-DIMM

System

CPU	LGA1150 socket 4th generation Intel® Core™ i7/i5/i3 & Celeron® processor
System Memory	1 x 204-pin DDR3-1600 SO-DIMM max. up to 8 GB
Chipset	Intel® H81
BIOS	AMI UEFI BIOS
SSD	N/A
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card with mSATA 1 x USB 3.0, 1 x PCIe x1, 1 x LPC, 1 x SMBus through a ZIO connector
Battery Lithium	Lithium 3V/220mAh
Power Input	2 x 2-pin connectors +12V DC-in only AT Auto Power On function supported
Size	146 x 104 mm
Board Thickness	1.6 mm
Temperature	-20°C ~ +55°C (-4°F ~ 131°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® i218LM
Audio	HD Codec audio as MIC-in/Line-in/Line-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

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

Packing List

Standard

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

Cable

Part Number	Description	Qty
59380880250E	1 x COM P=1.25mm, L=250mm	1
59312260020E	Audio Cable w/bracket P=1.25mm, L=450mm	1
59382631000E	2 x USB 2.0 wafer cable w/bracket 180mm	1
5078E880100E	Heatsink w/Fan	1

Ordering Information

Standard

CAPA880VHGGGA-H81 (P/N: E38E880102)	3.5" Embedded SBC with LGA1150 socket, Intel® H81 chipset, VGA/LVDS/HDMI, 2 GbE LANs, audio and gift box
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Optional

CAPA880VHGGGA-H81-ZIO (P/N: E38E880100)	3.5" Embedded SBC with LGA1150 socket, Intel® H81 chipset, VGA/LVDS/HDMI, 2GbE LANs, audio and ZIO connector
AX93262 (P/N: E393262100)	ZIO module w/ four COM ports and one PCI Express Mini Card
AX93285 (P/N: E393285100)	ZIO module w/ two COM ports and 32 bit programmable DIO
AX93291 (P/N: E393291100)	ZIO module w/ two COM ports and two Gigabit Ethernet

Архангельск (8182)63-90-72

Астана +7(7172)727-132

Белгород (4722)40-23-64

Брянск (4832)59-03-52

Владивосток (423)249-28-31

Волгоград (844)278-03-48

Вологда (8172)26-41-59

Воронеж (473)204-51-73

Екатеринбург (343)384-55-89

Иваново (4932)77-34-06

Ижевск (3412)26-03-58

Казань (843)206-01-48

Калининград (4012)72-03-81

Калуга (4842)92-23-67

Кемерово (3842)65-04-62

Киров (8332)68-02-04

Краснодар (861)203-40-90

Красноярск (391)204-63-61

Курск (4712)77-13-04

Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13

Москва (495)268-04-70

Мурманск (8152)59-64-93

Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12

Новокузнецк (3843)20-46-81

Новосибирск (383)227-86-73

Орел (4862)44-53-42

Оренбург (3532)37-68-04

Пенза (8412)22-31-16

Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15

Рязань (4912)46-61-64

Самара (846)206-03-16

Санкт-Петербург (812)309-46-40

Саратов (845)249-38-78

Смоленск (4812)29-41-54

Сочи (862)225-72-31

Ставрополь (8652)20-65-13

Тверь (4822)63-31-35

Томск (3822)98-41-53

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Ульяновск (8422)24-23-59

Уфа (347)229-48-12

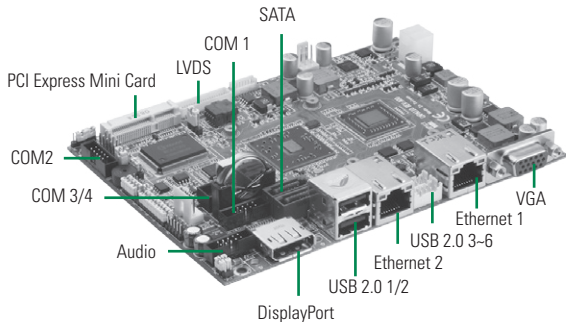
Челябинск (351)202-03-61

Череповец (8202)49-02-64

Ярославль (4852)69-52-93

CAPA110

AMD G-Series APU 3.5" Embedded SBC with AMD A50M, LVDS/DisplayPort/VGA, Dual LANs and Audio



System

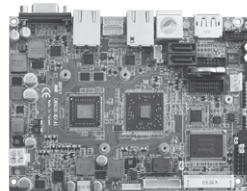
CPU	AMD G-Series APU T56N 1.65 GHz dual core onboard
System Memory	1 x 204-pin SO-DIMM supports DDR3 1333 max. up to 4 GB
Chipset	AMD A50M
BIOS	AMI UEFI BIOS
SSD	1 x CompactFlash™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI Express Mini Card V1.2
Battery	Lithium 3V/220mAh
Power Input	3. 2 x 2-pin connector +12V DC-in only AT Auto Power ON function supported
Power Requirement	AMD G-Series APU T56N @ 1.65 GHz, 1 GB DDR3 Max. RMS: +12V @ 1.5A
Size	146 x 104mm
Board Thickness	1.6 mm
Operating Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

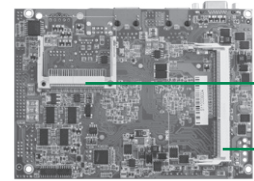
MIO	1 x RS-232/422/485 (COM1); with +5V/+12V powered 3 x RS-232 (COM2/3/4); with +5V/+12V powered
SATA	2 x SATA-600
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	2 port 10/100/1000 Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111E
Audio	HD Codec audio as MIC-in/Line-in/Line-out/ Speaker-out with Realtek ALC662
USB	6 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control (optional)
Digital I/O	8 channels IN/OUT programmable

Features

- AMD G-Series APU dual core T56N (1.65 GHz)
- 1 DDR3 SO-DIMM supports up to 4 GB memory capacity
- 2 SATA-600 supported
- 6 USB 2.0 ports
- 4 COM ports
- DirectX 11 support



▲ Top view



▲ Rear view

Display

Chipset	AMD G-series APU integrated graphic engine T56N - Radeon™ HD6320
Memory Size	Max. up to 2 GB in 4 GB DDR3 module
Display Interface	1 x VGA 1 x DisplayPort 1 x LVDS; 18/24-bit single/dual channel

Packing List

Standard

Quick installation guide, user's manual/utility CD, cable

Cable

Part Number	Description	Qty
59382620000E	1 x COM w/ bracket P=2.0 mm, L=300 mm	1
59384500100E	Audio cable w/ bracket P=2.0 mm, L=450 mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180 mm	1

Optional

59380000300E	2 x COM w/ bracket P=1.27 x 2.54, L=300 mm
59070213000E	DisplayPort to VGA cable, L=100 mm
59040131000E	DisplayPort to DVI cable, L=220 mm
59050203000E	DisplayPort to HDMI cable, L=185 mm
59091501000E	DisplayPort to DisplayPort cable, L=1500 mm

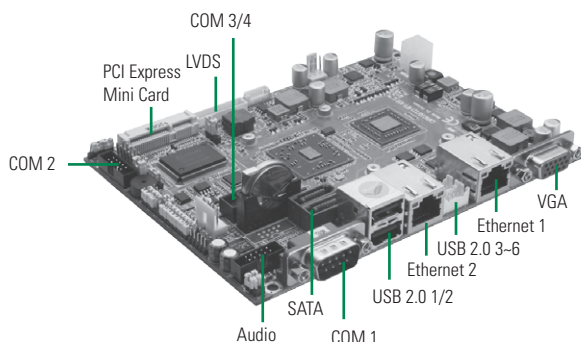
Ordering Information

Standard

CAPA110VPGGA-T56N (P/N: E38E110105)	3.5" embedded SBC with AMD G-Series APU T56N 1.65 GHz, VGA/DisplayPort/LVDS, 2 GbE LAN, 2 SATA-600, 4 COM, 6 USB and audio
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CAPA111

AMD G-Series APU 3.5" Embedded SBC with AMD A50M, LVDS/VGA, Dual LANs and Audio



System

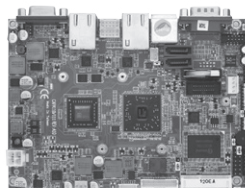
CPU	AMD G-Series APU T40R 1.0 GHz single core and T40E 1.0 GHz dual core onboard
System Memory	1 x 204-pin SO-DIMM supports DDR3-1066 max. up to 4 GB
Chipset	AMD A50M
BIOS	AMI UEFI BIOS
SSD	1 x CompactFlash™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI Express Mini Card V1.2
Battery	Lithium 3V/220mAh
Power Input	2 x 2-pin connector +12V DC-in only AT Auto Power ON function supported
Power Requirement	AMD G-Series APU T40E @ 1.0 GHz, 1 GB DDR3 Max. RMS: +12V @ 1.06A AMD G-Series APU T40R @ 1.0 GHz, 1 GB DDR3 Max. RMS: +12V @ 0.96A
Size	146 x 104mm
Board Thickness	1.6 mm
Operating Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

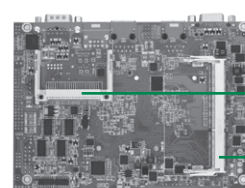
MIO	1 x RS-232/422/485 (COM 1); with +5V/+12V powered 3 x RS-232 (COM 2/3/4); with +5V/+12V powered
SATA	2 x SATA-600
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	2 ports 10/100/1000 Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111E
Audio	HD Codec audio as MIC-in/Line-in/Line-out/Speaker-out with Realtek ALC662
USB	6 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control (optional)
Digital I/O	8 channels IN/OUT programmable

Features

- AMD G-Series APU T40R (1.0 GHz)/ T40E (1.0 GHz)
- 1 DDR3 SO-DIMM supports up to 4 GB memory capacity
- 2 SATA-600 supported
- 6 USB 2.0 ports
- 4 COM ports
- DirectX 11 support



▲ Top view



▲ Rear view

CF type-II
DDR SO-DIMM

Display

Chipset	AMD G-Series APU integrated graphic engine T40E/T40R - Radeon™ HD6250
Memory Size	Max. up to 2 GB in 4 GB DDR3 module
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel

Packing List

Standard

Quick installation guide, user's manual/utility CD, cable

Cable

Part Number	Description	Qty
59382620000E	1 x COM w/ bracket P=2.0 mm, L=300 mm	1
59384500100E	Audio cable w/ bracket P=2.0 mm, L=450 mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180 mm	1

Optional

59380000300E	2 x COM w/ bracket P=1.27 x 2.54 L=300 mm
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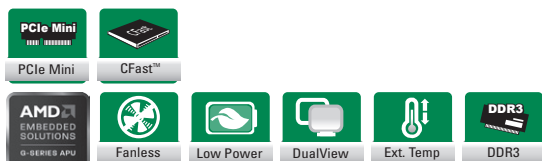
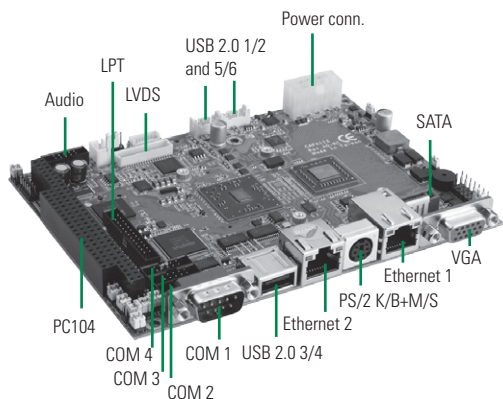
Ordering Information

Standard

CAPA111VGGA-T40R (P/N: E38E111101)	3.5" embedded SBC with AMD G-Series APU T40R 1.0 GHz, A50M chipset, VGA/LVDS, 2 GbE LAN, 2 SATA-600, 4 COM, 6 USB and audio
CAPA111VGGA-T40E (P/N: E38E111100)	3.5" embedded SBC with AMD G-Series APU T40E 1.0 GHz and A50M chipset, VGA/LVDS, 2 GbE LAN, 2 SATA-600, 4 COM, 6 USB and audio

CAPA112

AMD G-Series APU 3.5" Embedded SBC with AMD A55E, LVDS/VGA, Dual LANs and Audio, Dual LANs, Audio and PC/104



System

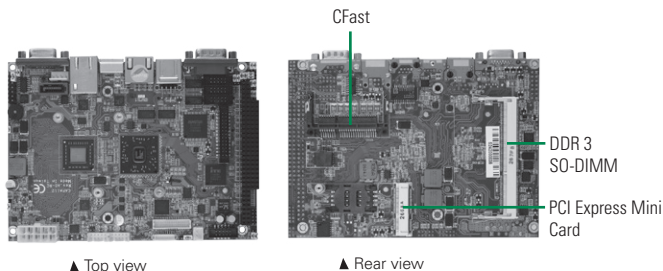
CPU	AMD G-Series APU T16R 615 MHz single core/ T40E 1.0 GHz dual core onboard
System Memory	1 x 204-pin SO-DIMM supports DDR3-1066 max. up to 4 GB
Chipset	AMD A55E
BIOS	AMI UEFI BIOS
SSD	1 x CFAST™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI Express Mini Card 1 x PC/104 for 16-bit ISA bus
Battery	Lithium 3V/220mAH
Power Input	2 x 5-pin connector ATX standard power source DC+5V only (+12V is required for +12V powered COM and LVDS inverter) AT Auto Power ON function supported
Power Requirement	AMD G-Series APU T40E @ 1.0 GHz, 1 GB DDR3 Max. RMS: +5VSB @ 4mA, +5V @ 3.92A, +12V @ 40mA
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	-40°C ~ +70°C (-40°F ~ 158°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x RS-232/422/485 (COM 1); with +5V/+12V powered 3 x RS-232 (COM 2/3/4); with +5V/+12V powered 1 x PS/2 keyboard and mouse 1 x LPT; with SPP/EPP/ECP supported
SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 port 10/100/1000 Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111E
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662
USB	6 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmed

Features

- AMD G-Series APU T16R (615 MHz)/ T40E (1.0 GHz)
- AMD A55E FCH
- 1 DDR3 SO-DIMM supports up to 4 GB memory capacity
- 6 USB 2.0 ports
- 4 COM ports
- 1 PC/104 for 16-bit ISA Bus



▲ Top view

▲ Rear view

Display

Chipset	AMD G-Series APU integrated graphic engine – Radeon™ HD6250
Memory Size	Max. up to 2 GB in 4 GB DDR3 module
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel

Packing List

Standard

Quick installation guide, user's manual/utility CD and cable

Cable

Part Number	Description	Qty
59382620000E	1 x COM w/bracket P=2.0 mm, L=300 mm	1
59384500100E	Audio cable w/bracket P=2.0 mm, L=450 mm	1
59382631000E	2 x USB 2.0 wafer cable w/bracket	1
59402010000E	ATX power cable 10P, L=150 mm	1

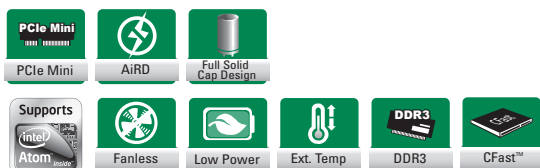
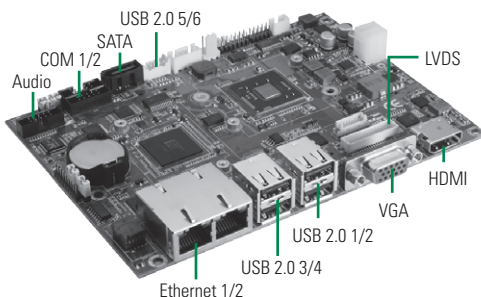
Ordering Information

Standard

CAPA112VGG-T16R (P/N: E38E112101)	3.5" embedded SBC with AMD G-Series APU T16R 615 MHz and FCH A55E, VGA/LVDS, 2 GbE LAN and audio
CAPA112VGG-T40E (P/N: E38E112100)	3.5" embedded SBC with AMD G-Series APU T40E 1.0 GHz and FCH A55E, VGA/LVDS, 2 GbE LAN and audio

CAPA830

Intel® Atom™ D2550/N2600/N2800
3.5" Embedded SBC with Intel® NM10
Chipset, LVDS/HDMI/VGA, Dual LANs,
Audio and ZIO



System

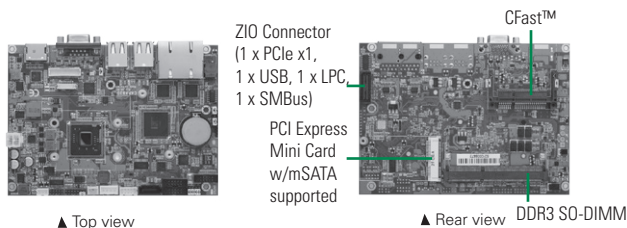
CPU	Intel® Atom™ processor D2550 1.86 GHz/N2800 1.86 GHz/ N2600 1.6 GHz dual core onboard
System Memory	1 x 204-pin SO-DIMM supports DDR3-800/1066 max. up to 4 GB (N2600 supports DDR3-800 max. up to 2 GB)
Chipset	Intel® NM10
BIOS	AMI UEFI BIOS
SSD	1 x CFast™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI Express Mini Card V1.2 with mSATA 1 x USB, 1 x PCIe x1, 1 x LPC, 1 x SMBus through a ZIO connector
Battery	Lithium 3V/220mAH
Power Input	2 x 2-pin connector +12V DC-in only AT Auto Power ON function supported
Power Requirements	Intel® Atom™ N2600 @ 1.6 GHz, 1 GB DDR3 Max. RMS: +12V @ 1.077A Intel® Atom™ N2800 @ 1.86 GHz, 1 GB DDR3 Max. RMS: +12V @ 1.156A Intel® Atom™ D2550 @ 1.86 GHz, 1 GB DDR3 Max. RMS: +12V @ 1.44A
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x RS-232/422/485; with +5V/+12V powered 1 x RS-232; with +5V/+12V powered
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	2 ports as 10/100/1000 Mbps support Wake-on-LAN, PXE Boot ROM with Intel® 82583V
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662
USB	6 x USB 2.0
SMBus	System Management Bus for Advanced monitoring/control
Digital I/O	8 channels IN/OUT programmable
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

Features

- Intel® Atom™ processor D2550 (1.86 GHz)/ N2800 (1.86 GHz)/ N2600 (1.6 GHz)
- 1 DDR3 SO-DIMM supports up to 4 GB memory capacity
- 6 USB 2.0 ports
- 2 COM ports
- ZIO connector
- PCI Express Mini Card V1.2 with mSATA supported



Display

Chipset	Intel® GMA 3650 graphics core for D2550/ N2800 Intel® GMA 3600 graphics core for N2600
Memory Size	Share system memory
Display Interface	1 x VGA 1 x HDMI 1 x LVDS; 18/24-bit single/dual channel

Packing List

Standard

Quick installation guide, user's manual/utility CD, cable

Cable

Part Number	Description	Qty
59382620000E	1 x COM w/ bracket P=2.0mm, L=300 mm	1
59384500100E	Audio cable w/ bracket P=2.0 mm, L=450 mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180 mm	1

Ordering Information

Standard

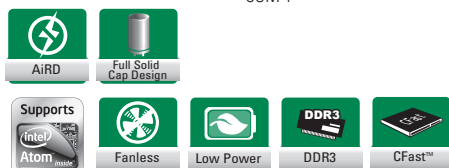
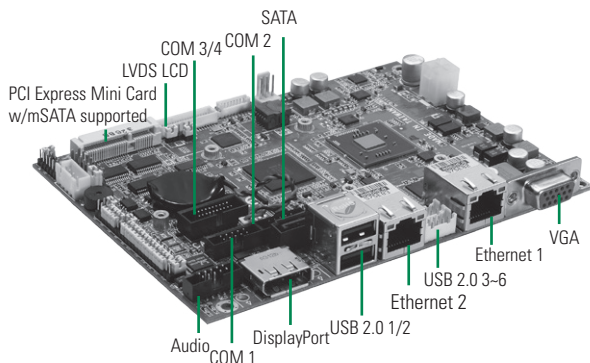
CAPA830VHGGGA-D2550 (P/N: E38E830103)	3.5" embedded SBC with Intel® Atom™ processor D2550 1.86 GHz, Intel® NM10 chipset, VGA/LVDS/HDMI, 2 GbE LAN, audio and heatsink fan
CAPA830VHGGGA-N2800 (P/N: E38E830102)	3.5" embedded SBC with Intel® Atom™ processor N2800 1.86 GHz, Intel® NM10 chipset, VGA/LVDS/HDMI, 2 GbE LAN and audio
CAPA830VHGGGA-N2600 (P/N: E38E830101)	3.5" embedded SBC with Intel® Atom™ processor N2600 1.6 GHz, Intel® NM10 chipset, VGA/LVDS/HDMI, 2 GbE LAN and audio

Optional

CAPA830VHGGGA-D2550-ZIO (P/N: E38E830106)	3.5" embedded SBC with Intel® Atom™ processor D2550 1.86 GHz, Intel® NM10 chipset, VGA/LVDS/HDMI, 2 GbE LAN, audio, heatsinkfan and ZIO connector
CAPA830VHGGGA-N2800-ZIO (P/N: E38E830105)	3.5" embedded SBC with Intel® Atom™ processor N2800 1.86 GHz, Intel® NM10 chipset, VGA/LVDS/HDMI, 2 GbE LAN, audio and ZIO connector
CAPA830VHGGGA-N2600-ZIO (P/N: E38E830104)	3.5" embedded SBC with Intel® Atom™ processor N2600 1.6 GHz, Intel® NM10 chipset, VGA/LVDS/HDMI, 2 GbE LAN, audio and ZIO connector
CAPA830VHGGGA-N2600 w/ET	3.5" embedded SBC with Intel® Atom™ processor N2600 1.6 GHz, Intel® NM10 chipset, VGA/LVDS/HDMI, 2 GbE LAN, audio and -40°C ~ +85°C
AX93262 (P/N: E393262100)	ZIO module w/ four COM ports and one PCI Express Mini Card
AX93285 (P/N: E393285100)	ZIO module w/ two COM ports and 32 bit programmable DIO
AX93291 (P/N: E393291100)	ZIO module w/ two COM ports and two Gigabit Ethernet

CAPA831

3.5" Embedded SBC with Intel® Atom™ D2550/N2600/N2800, Intel® NM10, LVDS/DisplayPort/VGA, Dual LANs and Audio



System

CPU	Intel® Atom™ processor D2550 1.86 GHz, N2800 1.86 GHz, N2600 1.6 GHz dual core onboard
System Memory	1 x 204-pin SO-DIMM supports DDR3-800/1066 max. up to 4 GB (N2600 supports DDR-800 max. up to 2 GB)
Chipset	Intel® NM10
BIOS	AMI UEFI BIOS
SSD	1 x CFast™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI Express Mini Card V1.2 with mSATA
Battery	Lithium 3V/220mAh
Power Input	2 x 2-pin connectors +12V DC-in only AT Auto Power On function supported
Power Requirement	Intel® Atom™ D2550 @ 1.86 GHz, 1 GB DDR3 Max. RMS: +12V @ 1.48A
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	Standard: 0°C ~ +60°C (32°F ~ 140°F) Optional: -20°C ~ +70°C (-4°F ~ +158°F)
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

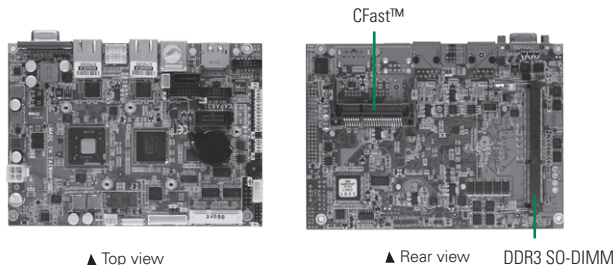
MIO	2 x RS-232/422/485 (COM 1/2); with +5V/+12V powered 2 x RS-232 (COM 3/4); with +5V/+12V powered
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	2 ports as 10/100/1000 Mbps support Wake-on-LAN, PXE Boot ROM with Intel® 82583V
Audio	HD Codec audio as MIC-in/Line-in/Line-out/Speaker-out with Realtek ALC662
USB	6 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmable
TPM	ST 33TPM12LPC with TPM 1.2 compliant

Display

Chipset	Intel® GMA 3650 graphics core for D2550/ N2800 Intel® GMA 3600 graphics core for N2600
Memory Size	Share system memory
Display Interface	1 x VGA 1 x DisplayPort 1 x LVDS; 18/24-bit single/dual channel

Features

- Intel® Atom™ processor D2550 (1.86 GHz)/N2800 (1.86 GHz)/N2600 (1.6 GHz)
- 1 DDR3 SO-DIMM supports up to 4 GB memory capacity
- 6 USB 2.0 ports
- 4 COM ports
- DisplayPort, LVDS, and VGA with dual view supported
- PCI Express Mini Card with mSATA supported



Packing List

Standard

Quick installation guide, user's manual/utility CD, cable

Table

Part Number	Description	Qty
59382620000E	1 x COM w/ bracket P=2.0mm, L=300 mm	1
59384500100E	Audio cable w/ bracket P=2,450 mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180 mm	1

Optional

5938000300E	2 x COM w/ bracket P=1.27 x 2.54, L=300 mm	
59070213000E	DisplayPort to VGA cable, L=100 mm	
59040131000E	DisplayPort to DVI cable, L=220 mm	
59050203000E	DisplayPort to HDMI cable, L=185 mm	
59091501000E	DisplayPort to DisplayPort cable, L=1500 mm	

Ordering Information

Standard

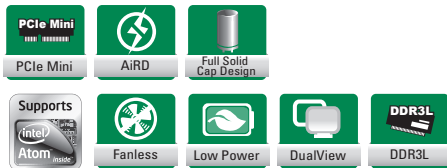
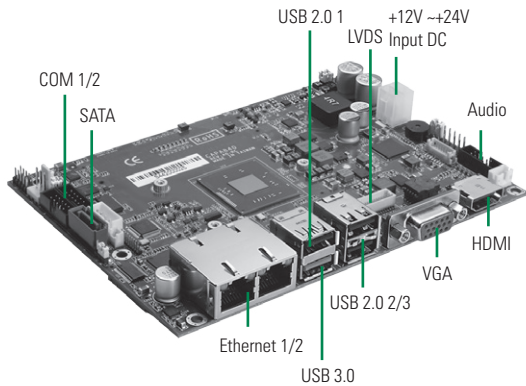
CAPA831VPGGA-N2800 (P/N: E38E831103)	3.5" embedded SBC with Intel® Atom™ N2800 1.86 GHz, (fanless) VGA/DisplayPort/ LVDS, 2 GbE LANs and audio
CAPA831VPGGA-N2600 (P/N: E38E831105)	3.5" embedded SBC with Intel® Atom™ N2600 1.6 GHz, (fanless) VGA/DisplayPort/ LVDS, 2 GbE LANs and audio
CAPA831VPGGA-D2550 (P/N: E38E831106)	3.5" embedded SBC with Intel® Atom™ D2550 1.86 GHz, VGA/DisplayPort/ LVDS, 2 GbE LANs, audio and heatsink fan

Optional

CAPA831VPGGA-N2800 w/ WT (fanless) (P/N: E38E831108)	3.5" embedded SBC with Intel® Atom™ N2800 1.86 GHz, VGA/DisplayPort/LVDS, 2 GbE LANs, audio and WT (-20°C ~ +70°C)
CAPA831VPGGA-D2550 w/ WT (fanless) (P/N: E38E831108)	3.5" embedded SBC with Intel® Atom™ D2550 1.86 GHz, VGA/DisplayPort/LVDS, 2 GbE LANs, audio and WT (-20°C ~ +70°C)

CAPA840

Intel® Atom™ Processor E3845/E3827
3.5" Embedded SBC with LVDS/VGA/
HDMI, Dual LANs, Audio and ZIO



System

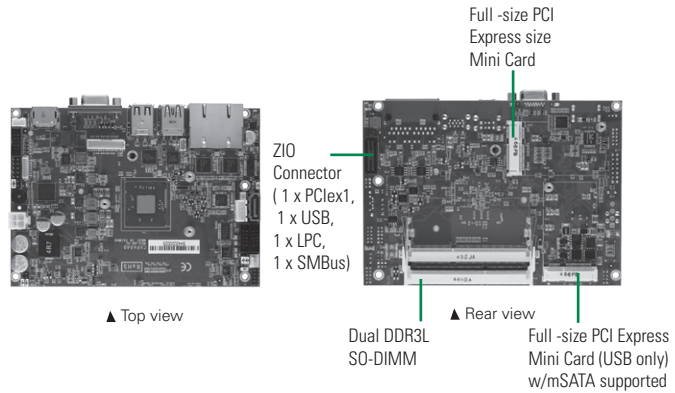
CPU	Intel® Atom™ processor E3845 quad core, E3827 dual core onboard (Bay Trail)
System Memory	2 x 204-pin DDR3L-1066/1333 SO-DIMM max. up to 8 GB
Chipset	SoC Integrated
BIOS	AMI
SSD	1 x mSATA
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card 1 x Full-size PCI Express Mini Card (USB only) 1 x USB, 1x PCIe x1, 1 x LPC, 1 x SMBus through a ZIO connector
Battery Lithium	Lithium 3V/220mAH
Power Input	2 x 2-pin connector +10V~24V DC-in AT Auto Power On function supported
Power Requirements	Intel® Atom™ E3845 @ 1.91 GHz, 4 GB DDR3L Max. RMS: +24V @ 0.68A Intel® Atom™ E3827 @ 1.75 GHz, 4 GB DDR3L Max. RMS: +24V @ 0.6A
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	1 x RS-232/422/485; with +5V/+12V powered 1 x RS-232
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 ports 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662
USB	4 x USB 2.0 1 x USB 3.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmed

Features

- Intel® Atom™ processor E3845/E3827
- 2 DDR3L SO-DIMM supports up to 8 GB memory capacity
- 4 USB 2.0 ports and 1 USB 3.0 port
- 2 COM ports



Display

Chipset	Intel® HD Graphics
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
59382620000E	1 x COM w/bracket P=2.0 mm, L=300 mm	1
59384500100E	Audio cable w/bracket P=2.45 mm	1
594P8802800E	1 x USB 2.0 wafer cable	1

Ordering Information

Standard

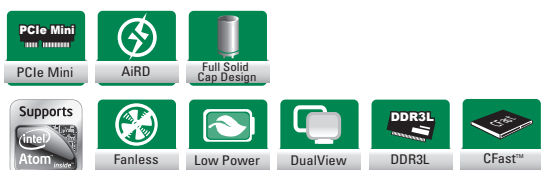
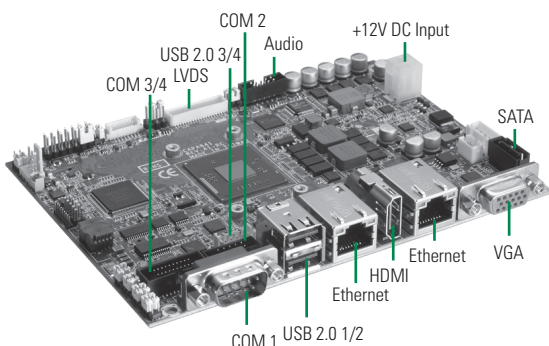
CAPA840VHGGGA-E3845 (P/N:E38E840100)	3.5" embedded SBC with Intel® Atom™ processor E3845 (1.91 GHz, 2 MB Cache, 10W), VGA/LVDS/HDMI, 2 GbE LAN and audio
CAPA840VHGGGA-E3827 (P/N:E38E840101)	3.5" embedded SBC with Intel® Atom™ processor E3827 (1.75 GHz, 1 MB Cache, 8W), VGA/LVDS/HDMI, 2 GbE LAN and audio

Optional

CAPA840VHGGGA-E3845-ZIO (P/N:E38E840103)	3.5" embedded SBC with Intel® Atom™ processor E3845 (1.91 GHz, 2 MB Cache, 10W), VGA/LVDS/HDMI, 2 GbE LAN, audio and ZIO connector
CAPA840VHGGGA-E3827-ZIO (P/N:E38E840104)	3.5" embedded SBC with Intel® Atom™ processor E3827 (1.75 GHz, 1 MB Cache, 8W), VGA/LVDS/HDMI, 2 GbE LAN, audio and ZIO connector
AX93262 (P/N:E393262100)	ZIO module w/ four COM ports and one PCI Express Mini Card
AX93285 (P/N:E393285100)	ZIO module w/ two COM ports and 32 bit programmable DIO
AX93291 (P/N:E393291100)	ZIO module w/two COM ports and two Gigabit Ethernet

CAPA841

Intel® Atom™ Processor E3845/E3827
3.5" Embedded SBC with LVDS/VGA/HDMI,
Dual LANs and Audio



System

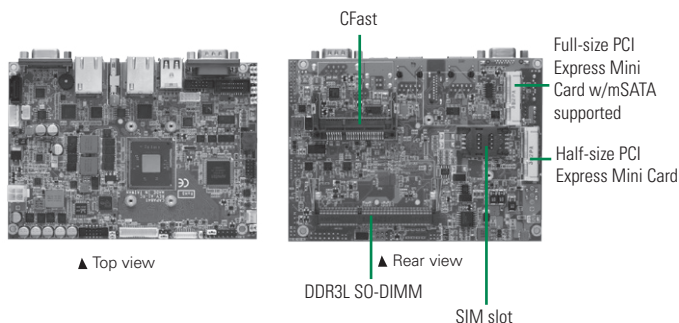
CPU	Intel® Atom™ processor E3845 quad core or E3827 dual core onboard (Bay Trail)
System Memory	1 x 204-pin DDR3L-1066/1333 SO-DIMM max. up to 8 GB
Chipset	SoC Integrated
BIOS	AMI
SSD	1 x CFast™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card with mSATA 1 x Half-size PCI Express Mini Card 1 x SIM slot
Battery Lithium	Lithium 3V/220mAH
Power Input	2 x 2-pin connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Atom™ E3845 @ 1.91 GHz, 8 GB DDR3L Max. RMS: +12V @ 1.22A Intel® Atom™ E3827 @ 1.75 GHz, 8 GB DDR3L Max. RMS: +12V @ 0.96A
Size	146 x 104 mm
Board Thickness	1.6 mm
Temperature	-40°C ~ +80°C (-40°F ~ +176°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	2 x RS-232/422/485; with +5V/+12V powered 2 x RS-232; with +5V/+12V powered
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 x 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i210IT
Audio	HD Codec audio as MIC-in/Line-in/Line-out/Speaker out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmed
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

Features

- Intel® Atom™ processor E3845/E3827 (Bay Trail SoC)
- 1 DDR3L SO-DIMM supports up to 8 GB memory capacity
- 4 USB 2.0 ports
- 4 COM ports
- 2 PCI Express Mini Card and 1 SIM slot
- 2 Gigabit Ethernet ports
- Display: LVDS/VGA/HDMI in dual view



Display

Chipset	Intel® HD Graphics
Memory Size	Share System Memory
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel 1 x HDMI

Packing List

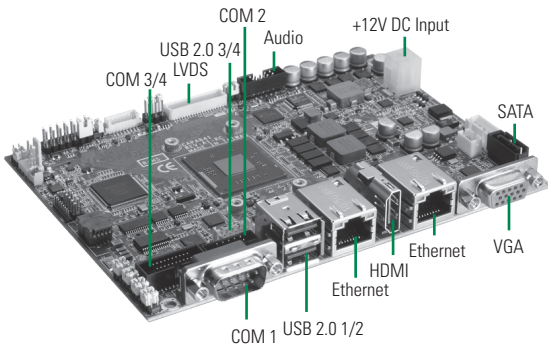
Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	Qty
59382620000E	1 x COM w/ bracket P=2.0 mm, L=300 mm	1
59384500100E	Audio cable w/ bracket P=2.0 mm, L=450 mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180 mm	1
Optional		
Part Number	Description	
5078E841200E	Heatspreader	

Ordering Information

Standard	
CAPA841VHGGGA-E3845 w/ET (P/N:E38E841109)	3.5" embedded SBC with Intel® Atom™ E3845 (1.91 GHz, 2 MB Cache, 10W), VGA/LVDS/HDMI, 2 GbE LAN and audio
CAPA841VHGGGA-E3827 w/ET (P/N:E38E841110)	3.5" embedded SBC with Intel® Atom™ E3827 (1.75 GHz, 1 MB Cache, 8W), VGA/LVDS/HDMI, 2 GbE LAN and audio

CAPA842

Intel® Celeron® Processor J1900/N2807
3.5" Embedded SBC with LVDS/VGA/HDMI,
Dual LANs and Audio



System

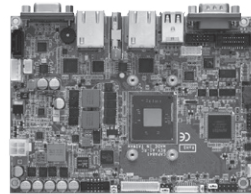
CPU	Intel® Celeron® processor J1900 quad core or N2807 dual core onboard (Bay Trail)
System Memory	1 x 204-pin DDR3L-1333 SO-DIMM max. up to 8 GB
Chipset	SoC Integrated
BIOS	AMI
SSD	1 x CFast™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card with mSATA 1 x Half-size PCI Express Mini Card 1 x SIM slot
Battery Lithium	Lithium 3V/220mAh
Power Input	2 x 2-pin connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Celeron® J1900 @ 2 GHz, 8GB DDR3L Max. RMS. +12V @ 1.41A Intel® Celeron® N2807 @ 1.58 GHz, 8GB DDR3L Max. RMS. +12V @ 0.64A
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

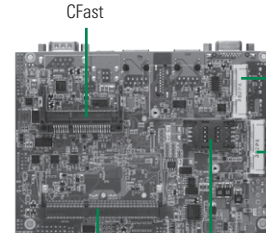
MIO	2 x RS-232/422/485; with +5V/+12V powered 2 x RS-232; with +5V/+12V powered
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 x 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i210AT
Audio	HD Codec audio as MIC-in/Line-in/Line-out/Speaker out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmed
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

Features

- Intel® Celeron® processor J1900/N2807 (Bay Trail SoC)
- 1 DDR3L SO-DIMM supports up to 8 GB memory capacity
- 4 USB 2.0 ports
- 4 COM ports
- 2 PCI Express Mini Card and 1 SIM slot
- 2 Gigabit Ethernet ports
- Display: LVDS/VGA/HDMI in dual-view



▲ Top view



▲ Rear view

Full-size PCI Express Mini Card w/mSATA supported
Half-size PCI Express Mini Card

Display

Chipset	Intel® HD Graphics
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, cable

Cable

Part Number	Description	Qty
59382620000E	1 x COM w/ bracket P=2.0mm, L=300 mm	1
59384500100E	Audio cable w/ bracket P=2.0 mm, L=450 mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180 mm	1

Optional

Part Number	Description
5078E841200E	Heatspreader

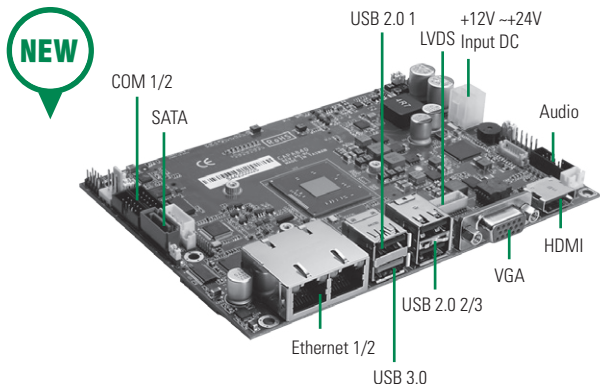
Ordering Information

Standard

CAPA842VHGGGA-J1900 (P/N: E38E842102)	3.5" embedded SBC with Intel® Celeron® processor J1900 (2~2.42 GHz, 2 MB Cache, 10W), VGA/LVDS/HDMI, 2 GbE Ethernet and audio
CAPA842VHGGGA-N2807 (P/N: E38E842100)	3.5" embedded SBC with Intel® Celeron® processor N2807 (1.58~2.16 GHz, 1 MB Cache, 4.3W), VGA/LVDS/HDMI, 2 GbE Ethernet and audio

CAPA843

Intel® Celeron® J1900 3.5" Embedded SBC with LVDS/VGA/HDMI, Dual LANs, Audio and ZIO



System

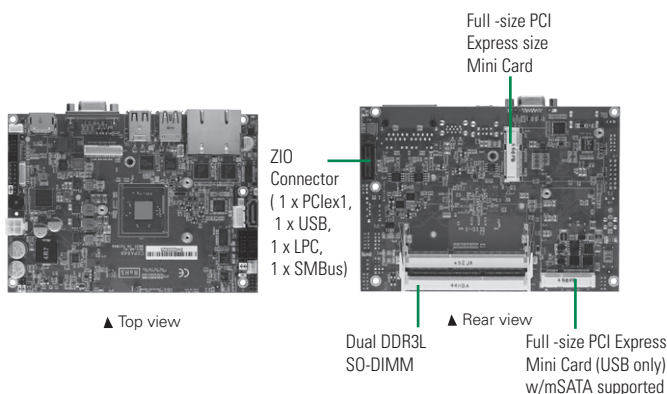
CPU	Intel® Celeron® processor J1900 quad core onboard
System Memory	2 x 204-pin DDR3L-1066/1333 SO-DIMM max. up to 8 GB
Chipset	SoC Integrated
BIOS	AMI
SSD	1 x mSATA
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card 1 x Full-size PCI Express Mini Card (USB only) 1 x USB, 1 x PCIe x1, 1 x LPC, 1 x SMBus through a ZIO connector
Battery Lithium	Lithium 3V/220mAh
Power Input	2 x 2-pin connector +10V~24V DC-in AT Auto Power On function supported
Power Requirements	Intel® Celeron® J1900 @2.0 GHz, 8 GB DDR3L Max. RMS: +24V @ 0.5A
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	1 x RS-232/422/485; with +5V/+12V powered 1 x RS-232
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 ports 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662
USB	4 x USB 2.0 1 x USB 3.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmed

Features

- Intel® Celeron® processor J1900
- 2 DDR3L SO-DIMM support up to 8 GB memory capacity
- 4 USB 2.0 ports and 1 USB 3.0 port
- 2 COM ports



Display

Chipset	Intel® HD Graphics
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
5938262000E	1 x COM w/bracket P=2.0 mm, L=300 mm	1
59384500100E	Audio cable w/bracket P=2.45 mm	1
594P8802800E	1 x USB 2.0 wafer cable	1

Ordering Information

Standard

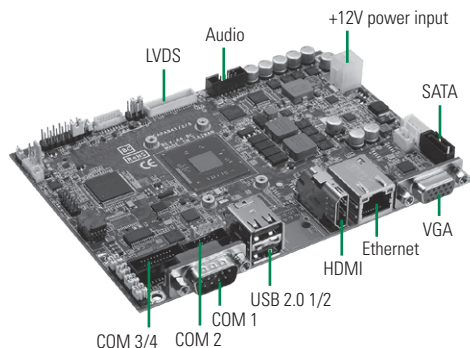
CAPA843VHGGGA-J1900 P/N: E38E843100)	3.5" embedded SBC with Intel® Celeron® processor J1900 (2~2.42 GHz, 2MB Cache, 10W), VGA/LVDS/HDMI, 2 GbE LAN and audio
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Optional

CAPA843VHGGGA-J1900-ZIO (P/N:E38E843102)	3.5" Embedded SBC with Intel® Celeron® processor J1900 (2~2.42 GHz, 2MB Cache, 10W), VGA/LVDS/HDMI, 2 GbE LAN, audio and ZIO connector
AX93262 (P/N:E393262100)	ZIO module w/ four COM ports and one PCI Express Mini Card
AX93285 (P/N:E393285100)	ZIO module w/ two COM ports and 32 bit programmable DIO
AX93291 (P/N:E393291100)	ZIO module w/two COM ports and two Gigabit Ethernet

CAPA848

Intel® Celeron® Processor N2807
3.5" Embedded SBC with LVDS/VGA/HDMI,
LAN and Audio



System

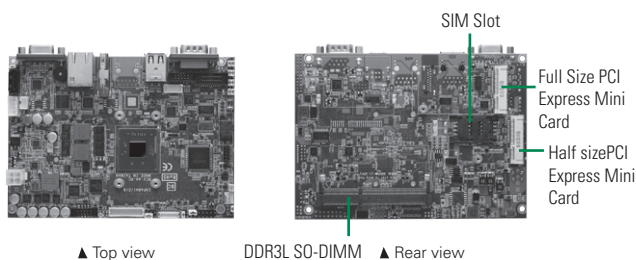
CPU	Intel® Celeron® processor N2807 1.58 GHz dual core onboard (Bay Trail)
System Memory	1 x 204-pin DDR3L-1333 SO-DIMM max. up to 8 GB
Chipset	SoC Integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card with mSATA 1 x Half-size PCI Express Mini Card 1 x SIM slot
Battery Lithium	Lithium 3V/220mAh
Power Input	2 x 2-pin connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Celeron® N2807 @ 1.58 GHz, 8GB DDR3L Max. RMS. +12V @ 0.64A
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 2 x RS-232
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT
Audio	HD Codec audio as MIC-in/Line-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmed

Features

- Intel® Celeron® processor N2807 (1.58 GHz)
- 1 DDR3L SO-DIMM supports up to 8 GB memory capacity
- 4 USB 2.0 ports
- 4 COM ports
- 2 PCI Express Mini Card and 1 SIM slot
- Gigabit Ethernet port
- Display: LVDS/VGA/HDMI in dual-view



Display

Chipset	Intel® HD Graphics
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

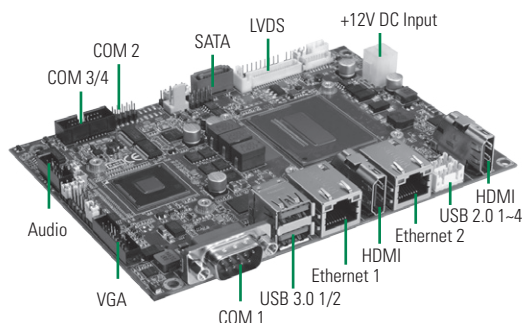
Ordering Information

Standard

CAPA848VHGA-N2807 (P/N: E38E848100)	3.5" embedded SBC with Intel® Celeron® processor N2807 1.58 GHz, VGA/LVDS/HDMI, 1 GbE LAN and audio
59382620000E	1 x COM w/ bracket P=2.0 mm, L=300 mm
59384500100E	Audio cable w/ bracket P=2.0 mm, L=450 mm
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180 mm
59380000300E	2 x COM w/bracket P=1.27 x 2.54 L=300 mm

CAPA881

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



System

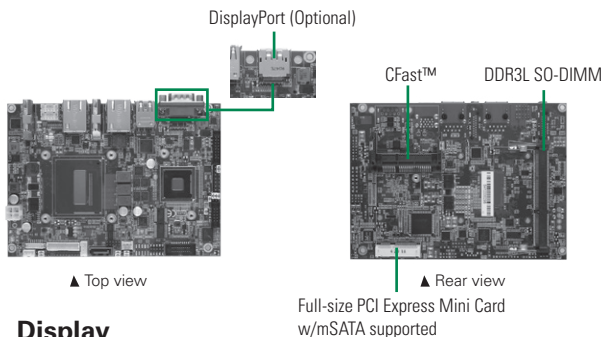
CPU	4th/5th generation Intel® Core™ i7/i5/i3 & Celeron® processor (Haswell/Haswell Refresh/Broadwell)
System Memory	1 x 204-pin DDR3L-1600 SO-DIMM max. up to 8 GB
Chipset	Intel® HM86 Intel® QM87 (optional)
BIOS	AMI
SSD	1 x CFast™
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x Full-size mini 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 2GB DDR3L Max. RMS: +12V @ 3.9A 4th Intel® Core™ i5-4402E @ 1.6 GHz+HM86 2GB DDR3L Max. RMS: +12V @ 2.7A 4th Intel® Core™ i3-4100E @ 2.4 GHz+HM86 2GB 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 (COM1/2); with +5V/+12V powered 2 x RS-232 (COM3/4)
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® i210AT 1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i217LM
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 chipset (Intel® QM87 optional)
- 1 DDR3L SO-DIMM supports up to 8 GB memory capacity
- 2 USB 3.0 and 4 USB 2.0 ports
- 4 COM ports
- Intel® AMT 9.0 supported (optional)
- Triple view 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 5x2P 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

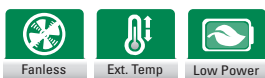
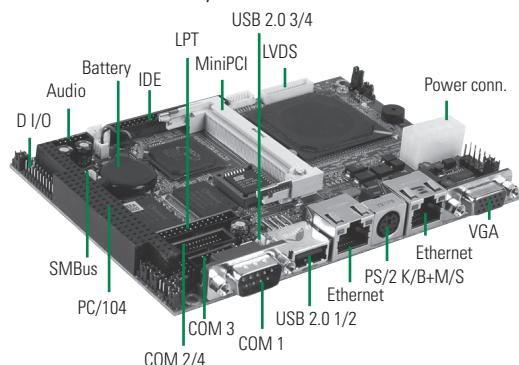
CAPA881VHGGGA-i7 4700EQ (P/N: E38E881100)	3.5" embedded SBC with 4th generation Intel® Core™ i7-4700EQ processor 2.4 GHz, Intel® HM86 chipset, VGA/LVDS/HDMI, 2 GbE LAN, audio and gift box
CAPA881VHGGGA-i5 4402E (P/N: E38E881102)	3.5" embedded SBC with 4th generation Intel® Core™ i5-4402E processor 1.6 GHz, Intel® HM86 chipset, VGA/LVDS/HDMI, 2 GbE LAN, 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 LAN, 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

SBC84620

AMD LX800 3.5" Embedded SBC with Dual LANs, 4 COM, 4 USB 2.0 and VGA/TTL (-40°C ~ +85°C)



System

CPU	AMD LX800 processor onboard
System Memory	1 x 200-pin SO-DIMM supports DDR-333/400 max. up to 1 GB
Chipset	AMD CS5536AD
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II
Board Unique ID	Board unique ID (optional)
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x Mini PCI 1 x PC/104 for 16-bit ISA bus
Battery	Lithium 3V/196 mAH
Power Input	2 x 5-pin connector +5V DC-in only (+12V is required for +12V powered COM and LVDS inverter) AT Auto Power ON function supported
Power Requirements	AMD LX800 @ 500 MHz, 1 GB DDR Max. RMS: +5VSB @ 98mA, +5V @ 1.295A, +12V @ 21mA, -12V @ 21mA
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	Standard: 0°C ~ +60°C (32°F ~ 140°F) Optional: -40°C ~ +85°C (-40°F ~ +185°F) -25°C ~ +70°C (-13°F ~ +158°F)
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

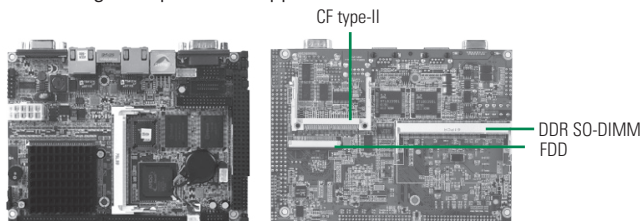
MIO	1 x IDE; PATA-100 1 x FDD 1 x PS/2 keyboard and mouse 1 x RS-232/422/485 (COM 1); with +5V/+12V powered 3 x RS-232 (COM 2/3/4); with +5V/+12V powered 1 x LPT; with SPP/EPP/ECP supported
SATA	N/A
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	2 ports as 10/100Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8139DL
Audio	AC'97 Codec audio as MIC-in / Line-in/ Line-out/ Speaker-out with Realtek ALC203
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	Refer to ordering information

Display

Chipset	AMD LX integrated
Memory Size	Max. up to 254 MB
Display Interface	1 x VGA 1 x TTL LCD; max. up to 24-bit

Features

- Low power fanless AMD LX800 processor
- Dual 10/100 Mbps Ethernet
- 4 COM ports and 4 USB 2.0 ports
- PC/104 and MiniPCI slots for expansion
- VGA and TTL LCD
- Wide range temperature support



▲ Top view

▲ Rear view

Packing List

Standard

Quick installation guide, user's manual/utility CD, cable

Cable

Part Number	Description	SBC84620 VEEA-500 Qty	SBC84620 VEA-500 Qty	SBC84620 VEE-500 Qty
59484500010E	44-44-40 pin IDE cable	1	1	1
59402010000E	ATX power cable 10P	1	1	1
59384500000E	COM + printer cable	1	1	
59384500100E	Audio cable w/ bracket	1	1	
59382631000E	2 x USB 2.0 wafer cable	1	1	1
59380003000E	COM port x 2 w/ bracket	1	1	
59380010300E	COM port x 1 w/ bracket			1

Ordering Information

Standard

Models	CPU	LCD	LAN	Audio	COM	PC/104	D I/O
SBC84620 VEEA-500 (P/N: E384620100)	LX800 500 MHz	VGA/TTL	2	Yes	4	Yes	8-In and 8-out
SBC84620 VEA-500 (P/N: E384620101)	LX800 500 MHz	VGA/TTL	1	Yes	4	Yes	8-In and 8-out
SBC84620 VEE-500 (P/N: E384620102)	LX800 500 MHz	VGA/TTL	2	N/A	2	N/A	3-In and 5-out

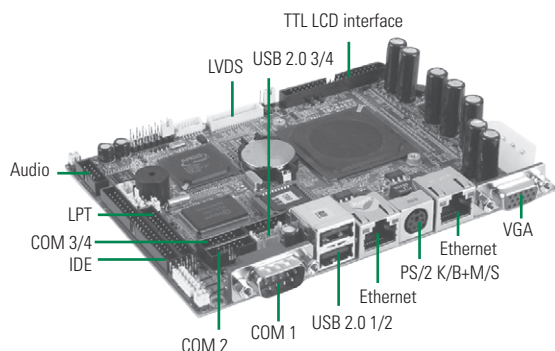
Optional

Models	CPU	LCD	LAN	Audio	COM	PC/104	D I/O	W.T.
SBC84620 VEE-500 (P/N: E384620114)	LX800 500 MHz	VGA/TTL	2	N/A	2	N/A	3-In and 5-out	-25°C~ +70°C
SBC84620 VEEA-500 (P/N: E384620113)	LX800 500 MHz	VGA/TTL	2	Yes	4	Yes	8-In and 8-out	-25°C~ +70°C

* W.T.: Wide Temperature

SBC84622

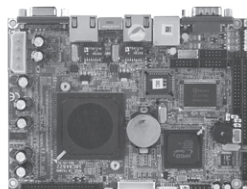
AMD LX800 3.5" Embedded SBC with Dual LANs, 4 COM, 4 USB 2.0 and VGA/LVDS/TTL



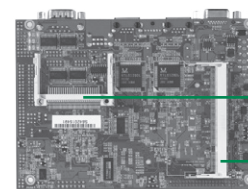
System

CPU	AMD LX800 processor onboard
System Memory	1 x 200-pin SO-DIMM supports DDR-333/400 max. up to 1 GB
Chipset	AMD CS5536AD
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	N/A
Battery	Lithium 3V/220 mAh
Power Input	1 x 4-pin connector +5V DC-in only (+12V is required for +12V powered COM and LVDS inverter) AT Auto Power On function supported
Power Requirements	AMD LX800 @ 500 MHz, 1 GB DDR Max. RMS: +5V @ 1.544A, +12V @ 33mA
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	Standard: 0°C ~ +60°C (32°F ~ 140°F) Optional: -25°C ~ +70°C (-13°F ~ +158°F)
Relative Humidity	10% ~ 95% relative humidity, non-condensing

- Low power fanless AMD LX800 processor
- Dual 10/100Mbps Ethernet supported
- 4 COM ports and 4 USB 2.0 ports
- VGA and LVDS/TTL LCD



▲ Top view



▲ Rear view

Display

Chipset	AMD LX integrated
Memory Size	Max. up to 254 MB
Display Interface	1 x VGA 1 x LCD interface for TTL (max. up to 24-bit) or LVDS (18/24-bit single channel)

Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	Qty
59384500200E	COM w/ bracket P=2.0 mm, L=250 mm	1

Ordering Information

Standard	
SBC84622VEEA-500 W/TTL LCD	3.5" embedded SBC with AMD LX800, VGA/TTL LCD, 2 10/100Mbps Ethernet, 4 COM, 4 USB and AC'97 audio (P/N: E384622100)
SBC84622VEEA-500 w/ 24-bit LVDS LCD	3.5" embedded SBC with AMD LX800, VGA/24-bit LVDS LCD, 2 10/100Mbps Ethernet, 4 COM, 4 USB and AC'97 audio (P/N: E384622102)
SBC84622VEEA-500 w/ 18-bit LVDS LCD	3.5" embedded SBC with AMD, VGA/18-bit LVDS LCD, 2 10/100Mbps Ethernet, 4 COM, 4 USB and AC'97 audio (P/N: E384622101)

* W.T.: Wide Temperature

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Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93