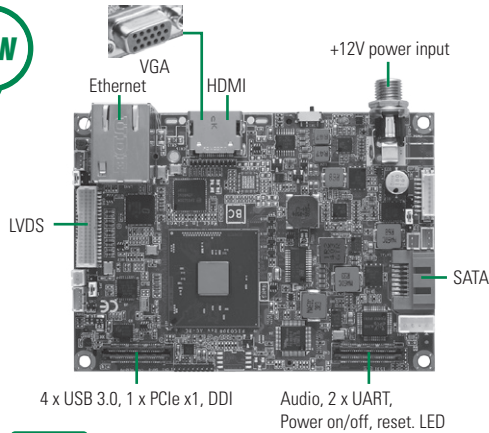


PICO300

Pico-ITX SBC with Intel® Pentium® N3710 & Celeron® N3060 Processor, HDMI (VGA)/LVDS, 1 GbE LAN & Audio



System

CPU	Intel® Pentium® N3710 & Celeron® N3060 processor
System Memory	1 x 204-pin DDR3L-1600 SO-DIMM max. up to 8 GB
Chipset	N/A
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 PCIe x1, 2 x UART, 1 x DDI, 4 x USB 3.0 and 1 x HD audio (through expansion connector)
Battery Lithium	Lithium 3V/220mAH
Power Input	DC power jack connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Pentium® N3710 @ 1.6 GHz, 8 GB DDR3L max. RMS: +12V @ 1.3A Intel® Celeron® N3060 @ 1.6 GHz, 8 GB DDR3L max. RMS: +12V @ 1.2A
Size	100 x 72 mm
Board Thickness	1.6 mm
Temperature	-20°C ~ +60°C (-4°F ~ 140°F), operation
Relative Humidity	10% - 95% relative humidity, non-condensing

Features

- Intel® Pentium® N3710 & Celeron® N3060 processor (Braswell SoC)
- 1 DDR3L-1600 SO-DIMM max. up to 8 GB
- 1 USB 2.0 ports
- PCI Express Mini Card
- AXView 2.0 intelligent embedded monitoring software

Packing List

Standard

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

Accessories

Part Number	Description	Qty
59403208000E	SATA cable	1
594P8800600E	SATA power cable	1
594P8802800E	USB cable	1
5078H300100E	Heatspreader	1
5078H300200E	Heatsink	1

Ordering Information

Standard

Part Number	Description
PICO300HGA-N3710 (P/N: E38H300100)	Intel® Pentium® N3710 (1.6-2.56 GHz, 2 MB Cache, 6W) Pico-ITX SBC with HDMI/LVDS, GbE LAN, 1 USB 2.0
PICO300VGA-N3710 (P/N: E38H300101)	Intel® Pentium® N3710 (1.6-2.56 GHz, 2 MB Cache, 6W) Pico-ITX SBC with VGA/LVDS, GbE LAN, 1 USB 2.0
PICO300HGA-N3060 (P/N: E38H300102)	Intel® Celeron® N3060 (1.6-2.48 GHz, 1 MB Cache, 6W) Pico-ITX SBC with HDMI/LVDS, GbE LAN, 1 USB 2.0
PICO300VGA-N3060 (P/N: E38H300104)	Intel® Celeron® N3060 (1.6-2.48 GHz, 1 MB Cache, 6W) Pico-ITX SBC with VGA/LVDS, GbE LAN, 1 USB 2.0

I/O

MIO	N/A
SATA	1 x SATA-600
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-out with Realtek ALC662
USB	1 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	N/A

Display

Chipset	Intel® integrated Gfx graphic engine
Memory Size	Share system memory
Display Interface	1 x LVDS; 18/24-bit single/dual channel 1 x HDMI or 1 x VGA

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

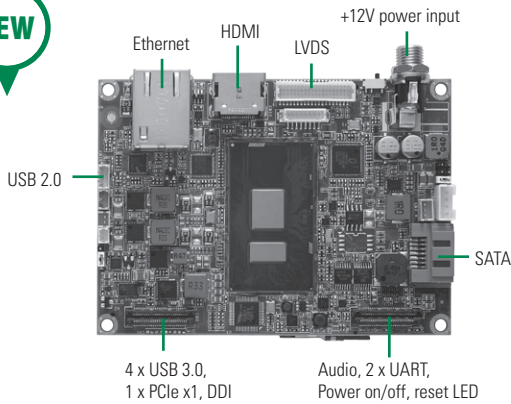
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78

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
Тула (4872)74-02-29
Тюмень (3452)66-21-18
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

PICO500

Pico-ITX SBC with 6th Generation Intel® Core™ i7/i5/i3 & Celeron® Processors, HDMI/LVDS, 1 GbE LAN and Audio

NEW



System

CPU	6th generation Intel® Core™ i7/i5/i3 & Celeron® processors onboard (Skylake)
System Memory	1 x 260-pin DDR4-2133 SO-DIMM max. up to 16 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 PCIe x1, 2 x UART, 1 x DDI, 4 x USB 3.0, and 1 x HD audio (through expansion connector)
Battery Lithium	Lithium 3V/220mAH
Power Input	DC power jack connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Core™ i7-6600U @ 2.6 GHz, 16GB DDR4 Max. RMS. +12V @ 2.3A Intel® Core™ i3-6100U @ 2.3 GHz, 16GB DDR4 Max. RMS. +12V @ 1.9A Intel® Celeron® 3955U @ 2 GHz, 16GB DDR4 Max. RMS. +12V @ 1.7A
Size	100 x 72 mm
Board Thickness	1.6 mm
Temperature	-20°C ~ +70°C (-4°F ~ 158°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

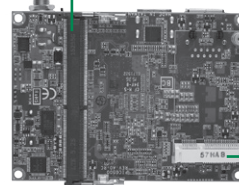
I/O

MIO	N/A
SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i219LM
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	1 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	N/A

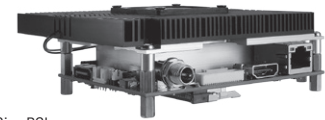
Features

- 6th generation Intel® Core™ i7/i5/i3 & Celeron® processors (Skylake)
- 1 DDR4 SO-DIMM max. up to 16 GB
- 1 USB 2.0 and 1 Gigabit LAN ports
- PCI Express Mini Card with mSATA support
- Intel® AMT 11 supported

DDR4 SO-DIMM



▲ Rear view



▲ Assembly view

Full-Size PCI Express Mini Card w/mSATA supported

Display

Chipset	Intel® HD graphics
Memory Size	Share system memory
Display Interface	1 x LVDS; 18/24-bit single/dual channel 1 x HDMI

Packing List

Standard

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

Accessories

Part Number	Description	Qty
59403208000E	SATA cable	1
594P8800600E	SATA power cable	1
594P8802800E	USB cable	1
59190400500E	Fan cable	1
5078H500100E	Heatsink with fan	1
5078H500000E	Heatspreader	1

Ordering Information

Standard

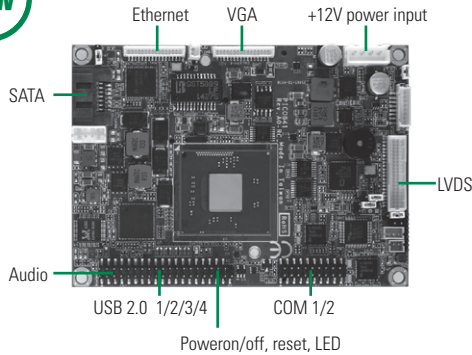
PICO500HGA-i7-6600U (P/N: E38H500102)	6th generation Intel® Core™ i7-6600U (2.6-3.4 GHz, 4 MB cache, 15W) Pico-ITX SBC with HDMI/LVDS, 1 GbE LAN and 1 USB 2.0
PICO500HGA-i3-6100U (P/N: E38H500101)	6th generation Intel® Core™ i3-6100U (2.3 GHz, 3 MB cache, 15W) Pico-ITX SBC with HDMI/LVDS, 1 GbE LAN and 1 USB 2.0
PICO500HGA-Celeron 3955U (P/N: E38H500100)	6th generation Intel® Celeron® 3955U (2 GHz, 2 MB cache, 15W) Pico-ITX SBC with HDMI/LVDS, 1 GbE LAN and 1 USB 2.0

Optional

AX93275 (P/N:E393275102)	I/O board for 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x VGA, 1 x Audio
AX93276 (P/N:E393276102)	I/O board for 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x HDMI, 1 x Gigabit LAN

PICO843

Intel® Celeron® Processor J1900/N2807
Pico-ITX SBC with LVDS/VGA, LAN & Audio



Low Power



DualView



Supports Intel Atom processor



DDR3L



PCIe Mini



+12V



AiRD



Full Solid Cap Design

System

CPU	Intel® Celeron® processor J1900/N2807 onboard
System Memory	1 x 204-pin DDR3L-1066/1333 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
Battery Lithium	Lithium 3V/220mAh
Power Input	1 x 4-pin connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Celeron® J1900 @ 2 GHz 4 GB DDR3L
Size	100 x 72 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

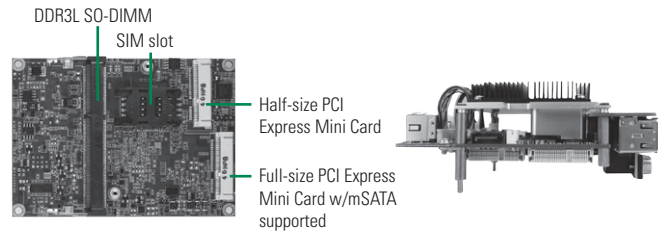
MIO	2 x RS-232/422/485
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	NA
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

Display

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

Features

- Intel® Celeron® processor J1900/N2807 Bay Trail SoC onboard
- 1 DDR3L SO-DIMM supports up to 8 GB memory capacity
- 4 USB 2.0 ports
- 2 COM ports
- 2 PCI Express Mini Cards



▲ Rear view



▲ Assembly view

Packing List

Standard

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

Accessories

Part Number	Description	Qty
85932831000E	AX93283 I/O board	1
85932671000E	AX93267 I/O board	1
59406308010E	SATA cable	1
594P8800600E	SATA power cable	1
5078H843000E	Heatspreader	1
5078H100200E	Heatsink	1

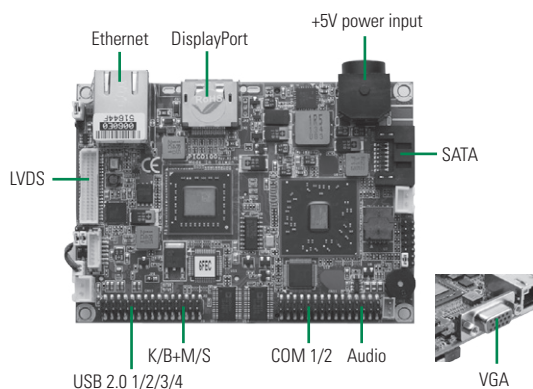
Ordering Information

Standard

PICO843VGA-J1900 (P/N: E38H843100)	Pico-ITX SBC with Intel® Celeron® processor J1900 (2 GHz-2.42 GHz, 2 MB Cache, 10W), VGA/LVDS, GbE LAN and audio
PICO843VGA-N2807 (P/N: E38H843101)	Pico-ITX SBC with Intel® Celeron® processor N2807 (1.58 GHz-2.16 GHz, 1 MB Cache, 4.3W), VGA/LVDS, GbE LAN and audio

PICO100

AMD G-Series APU Pico-ITX SBC with AMD A50M, LVDS/DisplayPort (VGA), LAN and Audio



System

CPU	AMD G-Series APU T40E 1.0 GHz dual core or T40R 1.0 GHz single 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	N/A
Battery	Lithium 3V/220mAh
Power Input	DC power jack connector +5V DC-in only AT Auto Power On function supported
Power Requirements	*AMD G-Series APU T40E @ 1.0 GHz, 1 GB DDR3 Max. RMS: +5V @ 3.16A *AMD G-Series APU T40R @ 1.0 GHz, 1 GB DDR3 Max. RMS: +5V @ 2.93A
Size	100 x 72 mm
Board Thickness	1.6 mm
Operating Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

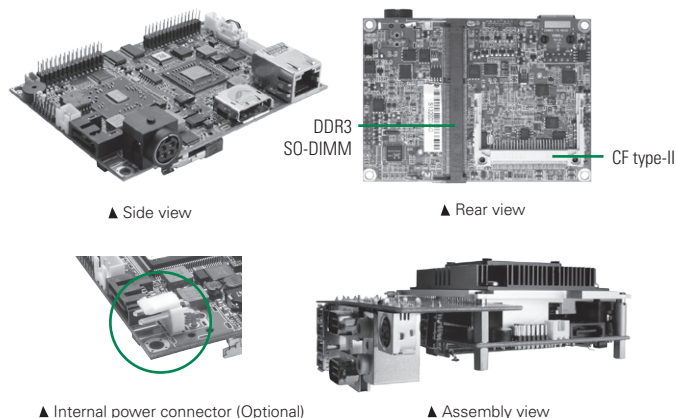
MIO	1 x PS/2 keyboard and mouse 2 x RS-232
SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port as 10/100/1000 Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111E
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	N/A

Display

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

Features

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



Packing List

Standard

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

Accessories

Part Number	Description	Qty
E393238101	AX93238 I/O board	1
594PICO8200E	DC power cable	1
59411208000E	SATA cable	1
59405300610E	SATA power cable	1

Ordering Information

Standard

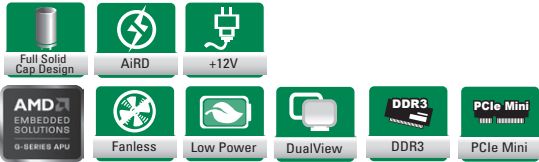
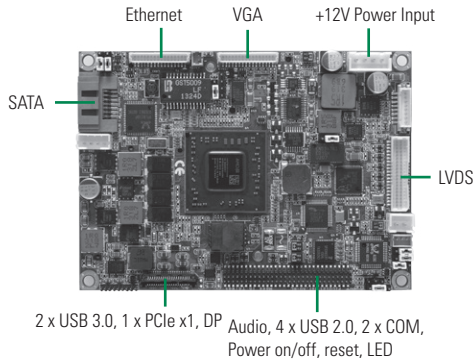
PICO100VGA-T40E (P/N: E38H100109)	Pico-ITX SBC with AMD G-Series APU T40E 1.0 GHz processor, VGA/LVDS, 1 GbE LAN, 2 COM, SATA-600 and audio
PICO100PGA-T40E (P/N: E38H100111)	Pico-ITX SBC with AMD G-Series APU T40E 1.0 GHz processor, DisplayPort/LVDS, 1 GbE LAN, 2 COM, SATA-600 and audio
PICO100VGA-T40R (fanless) (P/N: E38H100110)	Pico-ITX SBC with AMD G-Series APU T40R 1.0 GHz processor, VGA/LVDS, 1 GbE LAN, 2 COM, SATA-600 and audio
PICO100PGA-T40R (fanless) (P/N: E38H100112)	Pico-ITX SBC with AMD G-Series APU T40R 1.0 GHz processor, DisplayPort/LVDS, 1 GbE LAN, 2 COM, SATA-600 and audio

Optional

5938H820010E	COM x 2 + audio cable
5938H820000E	USB x 4 + Mini DIN cable
5948H823000E	DC power cable (for internal power connector)
59040131000E	DisplayPort to DVI cable, L=220 mm
59050203000E	DisplayPort to HDMI cable, L=185 mm
59091501000E	DisplayPort to DisplayPort cable, L=1500 mm

PICO121

AMD Embedded G-Series SoC Pico ITX SBC with VGA/LVDS, LAN & Audio



System

CPU	AMD Embedded GX-210JA SoC 1.0 GHz dual core onboard
System Memory	1 x 204-pin DDR3/3L- 1066/1333 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 PCIe x1, 1 x DP, 2 x USB 3.0 (through expansion connector)
Battery Lithium	Lithium 3V/220mAh
Power Input	1 x 4-pin connector +12V DC-in only AT Auto Power On function supported
Power Requirements	AMD G-Series Embedded SoC GX-210JA @1.0 GHz 8 GB DDR3 Max. RMS: +12V @ 0.8A
Size	100 x 72 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

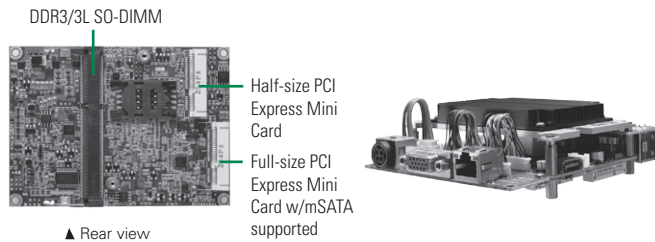
MIO	1 x RS-232/422/485 1 x RS-232
SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Realtek RTL8111DP
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	N/A

Display

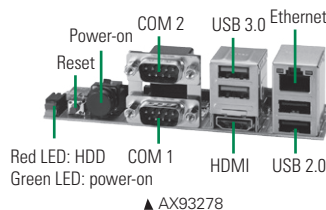
Chipset	AMD G-Series Embedded SoC integrated Gfx graphic engine GX-210JA - Radeon™ HD8180
Memory Size	AMD Radeon™ HD8180
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel

Features

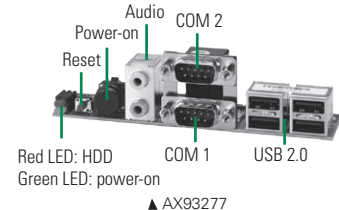
- AMD Embedded GX-210JA SoC (1.0 GHz)
- 1 DDR3/3L SO-DIMM supports up to 8 GB memory capacity
- 4 USB 2.0 ports, 2 COM ports
- Supports half-size PCIe Mini Card and full-size PCIe Mini Card with mSATA
- DASH supported



▲ Rear view



▲ AX93278



▲ AX93277



▲ Assembly view

Packing List

Standard

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

Accessories

Part Number	Description
85932771000E	AX93277 I/O board
85932671000E	AX93267 I/O board
59403208000E	SATA cable
594P8800600E	SATA power cable
5078H121010E	Heatspreader
5078H100200E	Heatsink

Ordering Information

Standard

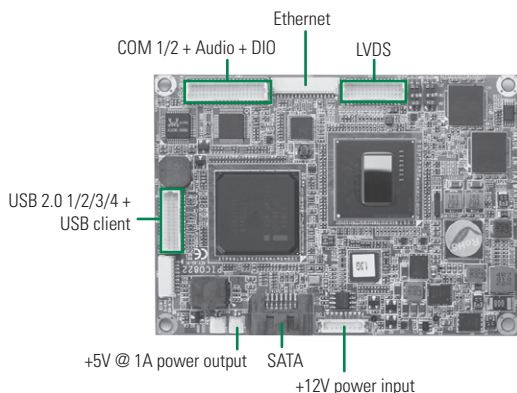
PICO121VGA-GX210JA (P/N: E38H121101)	AMD embedded GX-210JA SoC 1.0 GHz Pico-ITX SBC with VGA/LVDS, GbE LAN, audio and 4 USB 2.0
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Optional

I/O board	RS-232/422/485	RS-232	USB 2.0	USB 3.0	DP	2nd LAN
AX93278 (P/N:E393278100)	1	1	2	2	HDMI	Yes

PICO822

Intel® Atom™ E620T/E680T Pico-ITX SBC with LVDS, SATA, LAN and SSD



System

CPU	Intel® Atom™ processor E620T 600 MHz/ E680T 1.6 GHz single core onboard
System Memory	1 GB DDR2-800 onboard
Chipset	Intel® EG20T
BIOS	AMI UEFI BIOS
SSD	SATA SSD 8 GB/16 GB/32 GB (optional)
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x SDVO, 1 x PCIe x1, 1 x UART, 1 x SMBus, 1 x USB (through expansion connector)
Battery	Lithium 3V/ 225mAH
Power Input	Customized connector via power cable +12V DC-in only
Power Requirements	Intel® Atom™ E620T 600 MHz, 1 GB DDR2 Max. RMS: +12V @ 1.8A Intel® Atom™ E680T 1.6 GHz, 1 GB DDR2 Max. RMS: +12V @ 2.1A
Size	100 x 72 mm
Board Thickness	1.6 mm
Operating Temperature	Refer to ordering information
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

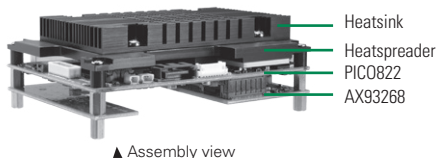
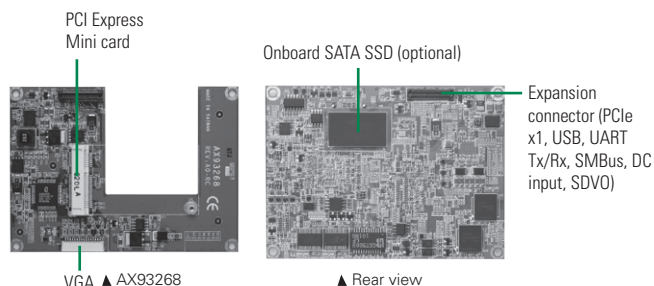
MIO	2 x RS-232
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/System temperature and voltage
Ethernet	1 port as 10/100/1000Mbps supports Wake-on-LAN RPL/PXE Boot ROM with Realtek RTL8111E
Audio	HD Codec audio as Mic-in/Line-in/Line-out with Realtek ALC886
USB	4 x USB 2.0 1 x client USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT

Display

Chipset	Intel® GMA 600 graphics core
Memory Size	256 MB
Display Interface	1 x LVDS; 18/24-bit single channel

Features

- Ultra low power Intel® Atom™ E620T/ E680T
- 2 COM and 4 USB 2.0 + 1 client USB 2.0 supported
- LVDS LCD and backlight brightness control
- One 10/100/1000Mbps Ethernet
- Onboard SATA SSD (optional)



Packing List

Standard

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

Accessories

Part Number	Description	Qty
594H8222700E	Ethernet cable w/ RJ45 L=150 mm	1
594H8223000E	Cable for COM, audio L=300 mm	1
594H8222810E	USB cable w/o USB client L=180 mm	1
594H8220200E	DC-IN power cable L=190 mm	1
594H8220600E	SATA power cable L=150 mm	1
59406308010E	SATA cable	1
5078H822100E	Heatsink	1
5078H822010E	Heatspreader	1

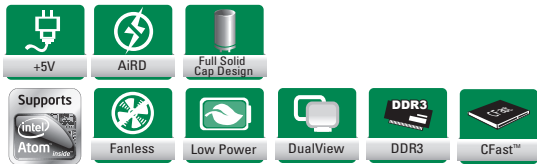
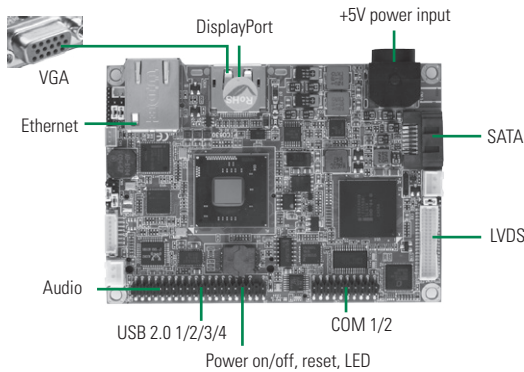
Ordering Information

Standard

Model	Operation Temperature	PCI Express Mini Card	Display Board
PICO822LGA-E620T (P/N: E38H822101)	-20°C ~ +70°C (-4°F ~ +158°F)	N/A	AX93221 24bit LVDS to DVI-D
PICO822LGA-E680T (P/N: E38H822105)	-20°C ~ +70°C (-4°F ~ +158°F)	N/A	AX93221 24bit LVDS to DVI-D
PICO822LGA-E620T w/AX93268 (P/N: E38H822107)	0°C ~ +60°C (32°F ~ 140°F)	1	AX93268 VGA
PICO822LGA-E680T w/AX93268 (P/N: E38H822108)	0°C ~ +60°C (32°F ~ 140°F)	1	AX93268 VGA

PICO830

Intel® Atom™ N2600/N2800 Pico-ITX SBC with Intel® NM10 Chipset, LVDS/DisplayPort or VGA, LAN and Audio



System

CPU	Intel® Atom™ processor 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	N/A
Battery	Lithium 3V/220mAH
Power Input	DC power jack connector +5V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Atom™ N2800 @ 1.86 GHz, 1 GB DDR3 Max. RMS: +5V @ 3A Intel® Atom™ N2600 @ 1.6 GHz, 1 GB DDR3 Max. RMS: +5V @ 2.7A
Size	100 x 72 mm
Board Thickness	1.6 mm
Operating Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

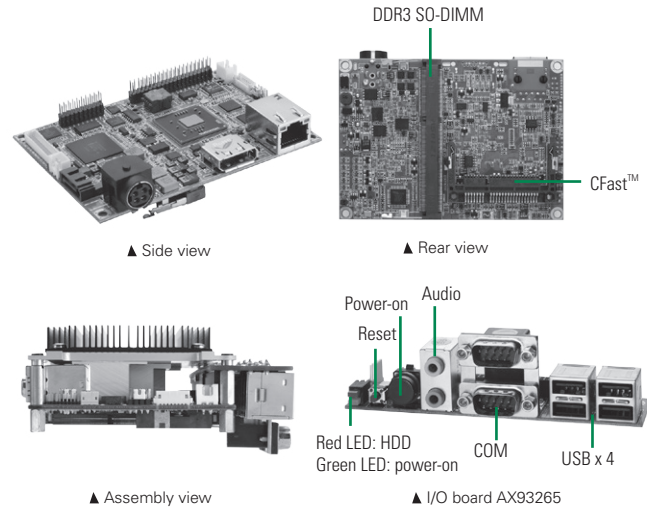
MIO	1 x RS-232/422/485 1 x RS-232
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® 82583V
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	N/A

Display

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

Features

- Intel® Atom™ processor N2800 (1.86 GHz)/ N2600 (1.6 GHz)
- 1 DDR3 SO-DIMM supports up to 4 GB memory capacity
- 4 USB 2.0 ports
- 2 COM ports
- Display: LVDS, DisplayPort



Packing List

Standard

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

Accessories

Part Number	Description	Qty
85932651000E	AX93265 I/O board	1
594PICO8200E	DC power cable	1
594K5328200E	SATA+power wire cable L=60mm	1
5078H830000E	Heatspreader	1
5078H100200E	Heatsink	1

Optional

Part Number	Description
59040131000E	DisplayPort to DVI cable, L=220 mm
59050203000E	DisplayPort to HDMI cable, L=185 mm
59091501000E	DisplayPort to DisplayPort cable, L=1500 mm
594H8302800E	USB CABLE 20x2P P=2.0 L=200 mm
594H8303000E	AUDIO CABLE 20x2P P=2.0 L=200 mm
594H8301600E	Power/Reset button + LED CABLE
594H8302100E	COM CABLE 10x2P P=2.0 L=200 mm
59340000200E	USB + Audio + LED cable L=200 mm

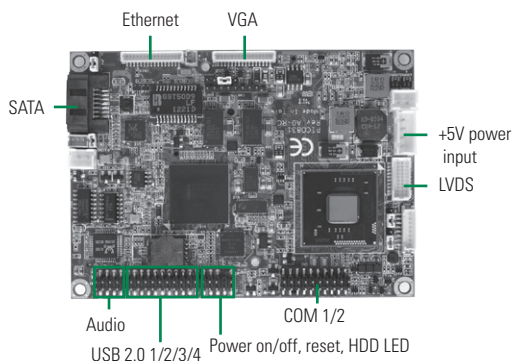
Ordering Information

Standard

PICO830VGA-N2600 (P/N: E38H830100)	Pico-ITX SBC with Intel® Atom™ processor N2600 1.6 GHz, VGA/LVDS, 1 GbE LAN, 2 COM and audio
PICO830PGA-N2600 (P/N: E38H830102)	Pico-ITX SBC with Intel® Atom™ processor N2600 1.6 GHz, DisplayPort/LVDS, 1 GbE LAN, 2 COM and audio
PICO830VGA-N2800 (P/N: E38H830101)	Pico-ITX SBC with Intel® Atom™ processor N2800 1.8 GHz, VGA/LVDS, 1 GbE LAN, 2 COM and audio
PICO830PGA-N2800 (P/N: E38H830103)	Pico-ITX SBC with Intel® Atom™ processor N2800 1.8 GHz, DisplayPort/LVDS, 1 GbE LAN, 2 COM and audio

PICO831

Intel® Atom™ N2600/N2800 Pico-ITX SBC with Intel® NM10 Chipset, LVDS/VGA, LAN and Audio



System

CPU	Intel® Atom™ processor N2800 1.8 GHz, N2600 1.6 GHz dual core onboard
System Memory	1 x 204-pin DDR3-800/1066 SO-DIMM max. up to 4 GB (N2600 supports DDR3 800 max. up to 2 GB)
Chipset	Intel® NM10
BIOS	AMI UEFI BIOS
SSD	SATA SSD 16 GB (optional)
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
Battery	Lithium 3V/220mAh
Power Input	1 x 4-pin connector +5V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Atom™ N2800 @ 1.86 GHz, 1 GB DDR3 Max. RMS: +5V @ 2.9A Intel® Atom™ N2600 @ 1.6 GHz, 1 GB DDR3 Max. RMS: +5V @ 2.6A
Size	100 x 72 mm
Board Thickness	1.6 mm
Temperature	0°C ~ +60°C (32° F ~ 140° F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x RS-232/422/485 1 x RS-232
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Realtek RTL8111E
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	N/A

Display

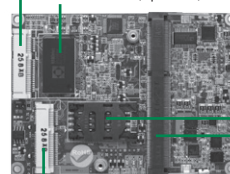
Chipset	Intel® GMA 3650 graphics core for N2800 Intel® GMA 3600 graphics core for N2600
Memory Size	Share System memory
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single channel

Features

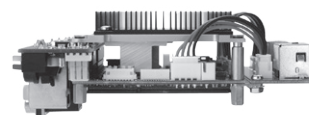
- Intel® Atom™ processor N2800 (1.8 GHz)/ N2600 (1.6 GHz) dual core onboard
- 1 DDR3 SO-DIMM supports up to 4 GB memory capacity
- 4 USB 2.0 ports
- 2 COM ports
- Display: LVDS, VGA

Full-size PCI Express Mini Card w/mSATA supported

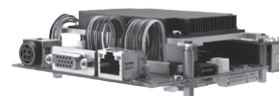
SATA Nandrive (optional)



SIM Slot
DDR3
SO-DIMM



Half-size PCI Express Mini Card



▲ Assembly view

Packing List

Standard

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

Accessories

Part Number	Description	Qty
85932651000E	AX93265 I/O board	1
85932671000E	AX93267 I/O board	1
59406308010E	SATA cable	1
59405300610E	SATA power cable	1
5078H831000E	Heatspreader	1
5078H100200E	Heatsink	1

Optional

594H8302800E	USB CABLE 20x2P P=2.0 mm L=200 mm
594H8303000E	AUDIO CABLE 20x2P P=2.0 mm L=200 mm
594H8301600E	Power/Reset button + LED CABLE
594H8302100E	COM CABLE 10x2P P=2.0 mm L=200 mm
59340000200E	USB + Audio + LED cable L=200 mm

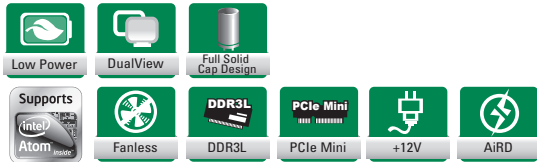
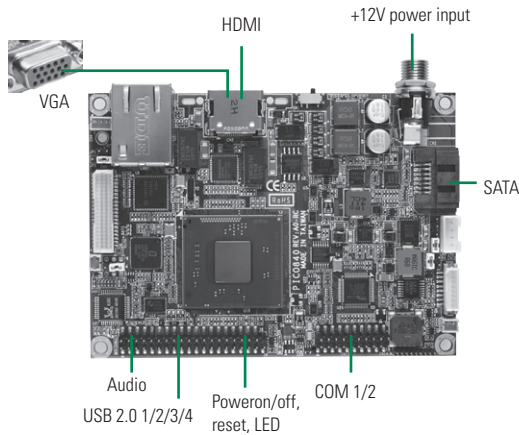
Ordering Information

Standard

PICO831VGA-N2600	Pico-ITX SBC with Intel® Atom™ processor N2600 1.6 GHz, VGA/LVDS, 1 GbE LAN, 2 COM, 4 USB and audio (P/N: E38H831101)
PICO831VGA-N2800	Pico-ITX SBC with Intel® Atom™ processor N2800 1.8 GHz, VGA/LVDS, 1 GbE LAN, 2 COM, 4 USB and audio (P/N: E38H831100)

PICO840

Intel® Atom™ Processor E3845/E3827
Pico-ITX SBC with LVDS/VGA (HDMI),
LAN and Audio



System

CPU	Intel® Atom™ processor E3845 quad core, 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	N/A
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	DC power jack 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 @ 1.33A Intel® Atom™ E3827 @ 1.75 GHz, 8 GB DDR3L max. RMS: +12V @ 1.2A
Size	100 x 72 mm
Board Thickness	1.6 mm
Temperature	-40°C ~ +70°C (-40°F ~ 158°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

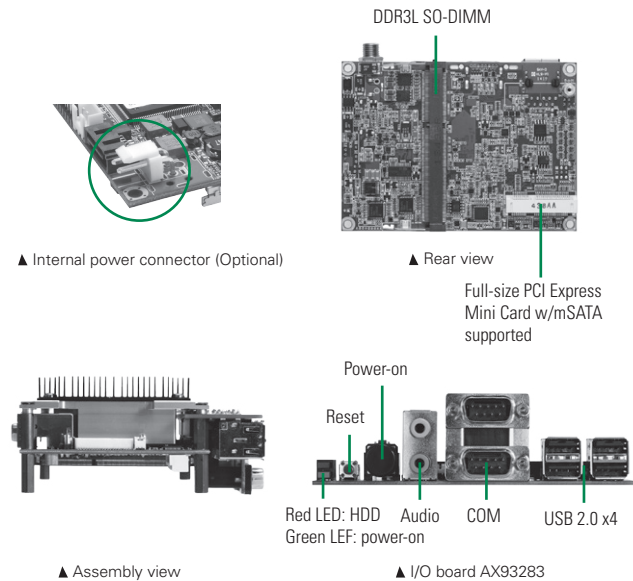
MIO	2 x RS-232/422/485
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel i210IT
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced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

Display

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

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
- 2 COM ports (RS-232/422/485 selectable)
- PCI Express Mini Card w/mSATA supported



Packing List

Standard

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

Accessories

Part Number	Description	Qty
85932831000E	AX93283 I/O board	1
594P8800600E	SATA power Cable	1
59403208000E	SATA cable	1
5078H842100E	Heatspreader	1
5078H100200E	Heatsink	1

Optional

Part Number	Description
594H8302800E	USB CABLE 20x2P P=2.0 mm L=200 mm
594H8303000E	AUDIO CABLE 20x2P P=2.0 mm L=200 mm
594H8301600E	Power/Reset button + LED CABLE
594H8302100E	COM CABLE 10x2P P=2.0 mm L=200 mm
59340000200E	USB + Audio + LED cable L=200 mm

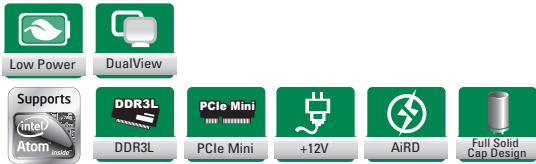
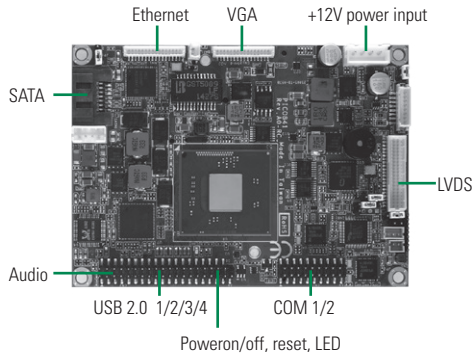
Ordering Information

Standard

PICO840VGA-E3845 (P/N: E38H840100)	Pico-ITX SBC with Intel® Atom™ processor E3845 (1.91 GHz, 2MB Cache, 10W), and VGA/LVDS, 1 GbE LAN, audio and gift box
PICO840VGA-E3827 (P/N: E38H840104)	Pico-ITX SBC with Intel® Atom™ processor E3827 (1.75 GHz, 1MB Cache, 8W) and VGA/LVDS, 1 GbE LAN, audio and gift box
PICO840HGA-E3845 (P/N:E38H840101)	Pico-ITX SBC with Intel® Atom™ processor E3845 (1.91 GHz, 2MB Cache, 10W), and HDMI/LVDS, 1 GbE LAN, audio and gift box
PICO840HGA-E3827 (P/N: E38H840105)	Pico-ITX SBC with Intel® Atom™ processor E3827 (1.75 GHz, 1MB Cache, 8W)and HDMI/LVDS, 1 GbE LAN, audio and gift box

PICO841

Intel® Atom™ Processor E3845/E3827
Pico-ITX SBC with LVDS/VGA, LAN & Audio



System

CPU	Intel® Atom™ processor E3845 quad core, 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	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
Battery Lithium	Lithium 3V/220mAh
Power Input	1 x 4-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 @ 1.49A Intel® Atom™ E3827 @ 1.75 GHz, 8 GB DDR3L Max. RMS: +12V @ 1.31A
Size	100 x 72 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

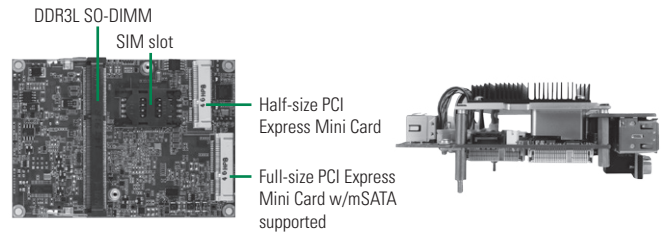
MIO	2 x RS-232/422/485
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	NA
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

Display

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

Features

- Intel® Atom™ processor E3845/E3827
- 1 DDR3L SO-DIMM supports up to 8GB memory capacity
- 4 USB 2.0 ports
- 2 COM ports
- 2 PCI Express Mini Cards



▲ Rear view



▲ Assembly view

Packing List

Standard

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

Accessories

Part Number	Description	Qty
85932831000E	AX93283 I/O board	1
85932671000E	AX93267 I/O board	1
59406308010E	SATA cable	1
59405300610E	SATA power cable	1
5078H841000E	Heatspreader	1
5078H100200E	Heatsink	1

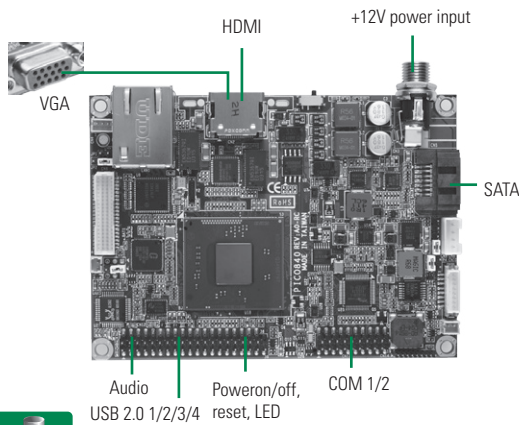
Ordering Information

Standard

PICO841VGA-E3845 (P/N: E38H841104)	Pico-ITX SBC with Intel® Atom™ processor E3845 (1.91 GHz, 2 MB Cache, 10W), VGA/LVDS, 1 GbE LAN, audio and gift box
PICO841VGA-E3827 (P/N: E38H841105)	Pico-ITX SBC with Intel® Atom™ processor E3827 (1.75 GHz, 1 MB Cache, 8W), VGA/LVDS, 1 GbE LAN, audio and gift box

PICO842

Intel® Celeron® Processor J1900/N2807
Pico-ITX SBC with LVDS/VGA (HDMI),
LAN & Audio



System

CPU	Intel® Celeron® processor J1900/N2807
System Memory	1 x 204-pin DDR3L-1066/1333 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
Battery Lithium	Lithium 3V/220mAh
Power Input	DC power jack connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Celeron® J1900 @ 8 GB DDR3L Max. RMS. +12V @ 0.9A Intel® Celeron® N2807 @ 8 GB DDR3L Max. RMS. +12V @ 0.7A
Size	100 x 72 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

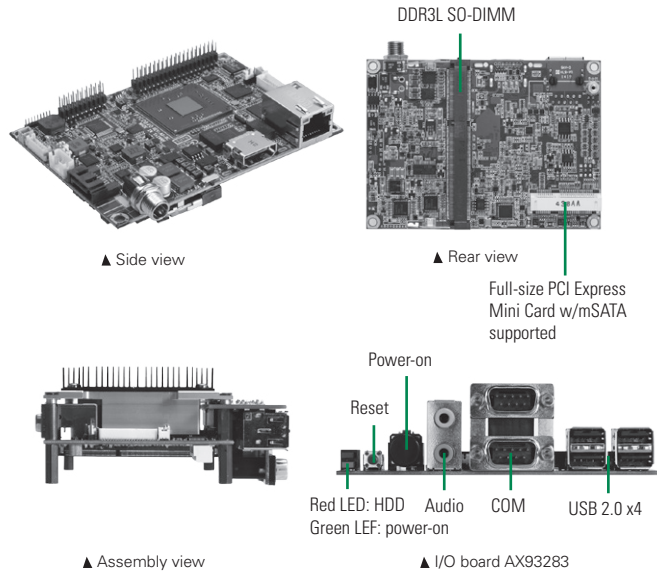
MIO	2 x RS-232/422/485
SATA	1 x SATA-300
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i211AT
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	NA
TPM	ST ST33TPM12LPC with TPM 1.2 compliant

Display

Chipset	Intel® integrated Gfx graphic engine
Memory Size	Share System memory
Display Interface	1 x VGA or 1 x HDMI 1 x LVDS; 18/24-bit single/dual channel

Features

- Intel® Celeron® processor J1900/N2807 (Bay Trail SoC)
- 1 DDR3L SO-DIMM supports up to 8GB memory capacity
- 4 USB 2.0 ports
- 2 COM ports (RS-232/422/485 selectable)
- PCI Express Mini Card w/mSATA supported



Packing List

Standard

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

Accessories

Part Number	Description	Qty
85932831000	AX93283 I/O board	1
59403208000E	SATA Cable w/lock L=200mm	1
594P8800600E	SATA power cable L=200mm	1
5078H842100E	Heatspreader	1
5078H100200E	Heatsink	1

Optional

Part Number	Description
594H8302800E	USB CABLE 20x2P P=2.0 mm L=200 mm
594H8303000E	AUDIO CABLE 20x2P P=2.0 mm L=200 mm
594H8301600E	Power/Reset button + LED CABLE
594H8302100E	COM CABLE 10x2P P=2.0 mm L=200 mm
59340000200E	USB + Audio + LED cable L=200 mm

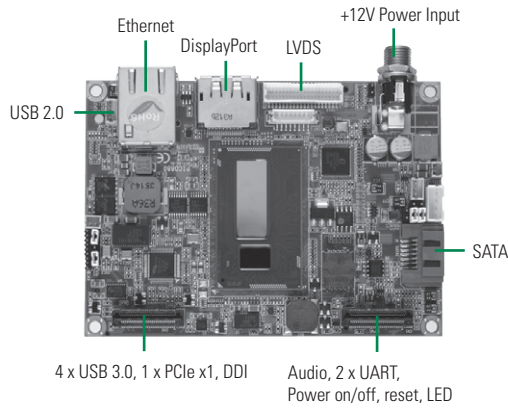
Ordering Information

Standard

Part Number	Description
PICO842VGA-J1900 (P/N: E38H842100)	Pico-ITX SBC with Intel® Celeron® processor J1900 (2-2.4 GHz, 2 MB Cache, 10W), VGA/LVDS, 1 GbE LAN, audio and gift box
PICO842VGA-N2807 (P/N: E38H842101)	Pico-ITX SBC with Intel® Celeron® processor N2807 (1.58-2.16 GHz, 1 MB Cache, 4.3W), VGA/LVDS, 1 GbE LAN, audio and gift box
PICO842HGA-J1900 (P/N: E38H842102)	Pico-ITX SBC with Intel® Celeron® processor J1900 (2-2.4 GHz, 2 MB Cache, 10W), HDMI/LVDS, 1 GbE LAN, audio and gift box
PICO842HGA-N2807 (P/N: E38H842103)	Pico-ITX SBC with Intel® Celeron® processor N2807 (1.58-2.16 GHz, 1 MB Cache, 4.3W), HDMI/LVDS, 1 GbE LAN, audio and gift box

PICO880

4th/5th Generation Intel® Core™ i7/i5/i3 & Celeron® Processor Pico ITX SBC with DP/LVDS, 1 GbE LAN & Audio



System

CPU	4th/5th generation Intel® i7/i5/i3 & Celeron® processor
System Memory	1 x 204-pin DDR3L-1600 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 PCIe x1, 2 x UART, 1 x DDI, 4 x USB 3.0, and 1 x HD audio (through expansion connector)
Battery Lithium	Lithium 3V/220mAh
Power Input	DC power jack connector +12V DC-in only AT Auto Power On function supported
Power Requirements	Intel® Core™ i7-4650U @ 1.7 GHz, 2 GB DDR3L Max. RMS. +12V @ 2.95A Intel® Core™ i5-4300U @ 1.9 GHz, 2 GB DDR3L Max. RMS. +12V @ 2.55A Intel® Core™ i3-4010U @ 1.7 GHz, 2 GB DDR3L Max. RMS. +12V @ 1.84A Intel® Celeron® 2980U @ 1.6 GHz, 2 GB DDR3L Max. RMS. +12V @ 1.75A Intel® Core™ i7-5650U @ 2.2 GHz 8 GB DDR3L Max. RMS. +12V @ 3A Intel® Core™ i5-5350U @ 1.8 GHz 8 GB DDR3L Max. RMS. +12V @ 2.8A Intel® Core™ i3-5010U @ 2.1 GHz 8 GB DDR3L Max. RMS. +12V @ 2A
Size	100 x 72 mm
Board Thickness	1.6 mm
Temperature	-20°C ~ +70°C (-4°F ~ 158°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

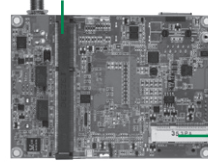
I/O

MIO	N/A
SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i218LM
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	1 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	N/A

Features

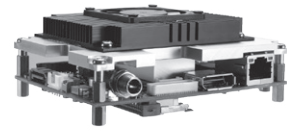
- 4th/5th generation Intel® Core™ i7/i5/i3 & Celeron® processor (Haswell/Broadwell)
- 1 DDR3L SO-DIMM supports up to 8 GB memory capacity
- Intel® AMT 9.5 supported
- 1 full-size PCI Express Mini card with mSATA
- +12V DC-IN
- Optional I/O boards: AX93275 and AX93276

DDR3L SO-DIMM



▲ Rear view

Full-size PCI Express Mini Card w/mSATA supported



▲ Assembly view

Display

Chipset	Intel® integrated Gfx graphic engine
Memory Size	Share system memory
Display Interface	1 x LVDS; 18/24-bit single/dual channel 1 x DisplayPort

Packing List

Standard

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

Accessories

Part Number	Description	Qty
59403208000E	SATA cable	1
594P8800600E	SATA power cable	1
594P8802800E	USB cable	1
59190400500E	Fan cable	1
5078H880010E	Heatspreader for 4th generation Intel® Core™ processor	1
5078H100100E	Heatsink with fan	1
5078H880000E	Heatspreader for 5th generation Intel® Core™ processor	1

Ordering Information

Standard

PICO880PGA-i7-4650U (P/N: E38H880102)	4th generation Intel® Core™ i7-4650U 1.7 GHz Pico-ITX SBC with DP/LVDS, GbE LAN, 1 USB 2.0
PICO880PGA-i5-4300U (P/N: E38H880103)	4th generation Intel® Core™ i5-4300U 1.9 GHz Pico-ITX SBC with DP/LVDS, GbE LAN, 1 USB 2.0
PICO880PGA-i3-4010U (P/N: E38H880100)	4th generation Intel® Core™ i3-4010U 1.7 GHz Pico-ITX SBC with DP/LVDS, GbE LAN, 1 USB 2.0
PICO880PGA-CELERON 2980U (P/N: E38H880104)	4th generation Intel® Celeron® 2980U 1.6 GHz Pico-ITX SBC with DP/LVDS, GbE LAN, 1 USB 2.0
PICO880PGA-i7-5650U (P/N: E38H880110)	5th generation Intel® Core™ i7-5650U 2.2 GHz Pico-ITX SBC with DP/LVDS, GbE LAN, 1 USB 2.0
PICO880PGA-i5-5350U (P/N: E38H880111)	5th generation Intel® Core™ i5-5350U 1.8 GHz Pico-ITX SBC with DP/LVDS, GbE LAN, 1 USB 2.0
PICO880PGA-i3-5010U (P/N: E38H880112)	5th generation Intel® Core™ i3-5010U 2.1 GHz Pico-ITX SBC with DP/LVDS, GbE LAN, 1 USB 2.0

Optional

AX93275 (P/N: E393275100)	I/O board for 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x VGA, 1 x Audio
AX93276 (P/N: E393276100)	I/O board for 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x HDMI, 1 x GbE LAN

*For more Ordering Information, please visit Axiomtek's website.

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