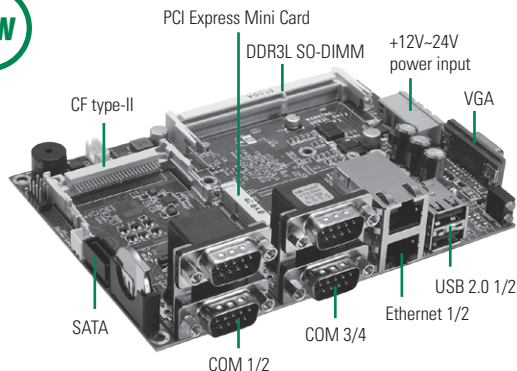


SBC87842

Intel® Atom™ Processor E3827/Celeron® N2807 3.5" Embedded SBC with VGA and 2 Gigabit Ethernet



System

CPU	Intel® Atom™ processor E3827 1.75 GHz/Celeron® N2807 1.58 GHz dual core onboard
System Memory	1 x 204-pin DDR3L-1333 SO-DIMM max. up to 8 GB
Chipset	SoC integrated
BIOS	AMI
SSD	1 x CF 1 x mSATA (optional)
Watchdog Timer	255 levels, 1 ~ 255 sec.
Expansion Interface	1 x Full-Size Mini PCI Express Mini Card
Battery Lithium	Lithium 3V/220MAH
Power Input	1 x 3-pin phoenix connector +12V ~24V DC-in only AT mode
Size	143 x 104 mm
Board Thickness	1.6 mm
Temperature	Referring to ordering information
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	4 x RS-232/422/485
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® i211AT or i210IT
Audio	N/A
USB	2 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	N/A

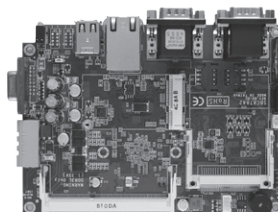
Архангельск (8182)63-90-72
Астана +7(7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48

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

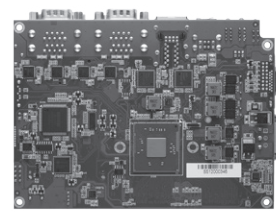
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
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Смоленск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

- Reverse layout design for fast system integration
- Intel® Atom™ processor E3827 (1.75GHz)/Celeron® N2807 (1.58GHz)
- 1 DDR3 SO-DIMM supports max. up to 8 GB memory capacity
- 2 Gigabit Ethernet ports and 2 USB 2.0 ports
- 4 COM ports (RS-232/422/485)
- Dimensions: 143 x 104 mm
- Wide temperature operation of -40°C ~ +80°C
- Supports +12V ~24VDC wide range power input



▲ Top view



▲ Rear view

Display

Chipset	Intel® HD Graphics
Memory Size	Share system memory
Display Interface	1 x VGA

Packing List

Standard

Quick installation guide, user's manual/utility CD

Ordering Information

Standard

SBC87842VGG-E3827 w/ET (P/N: E387842110)	3.5" embedded SBC with Intel® Atom™ processor E3827 (1.75 GHz, 1MB Cache, 8W), 2 Gigabit LANs, VGA and -40°C ~ +80°C
SBC87842VGG-N2807 (P/N: E387842109)	3.5" embedded SBC with Intel® Celeron® processor N2807 (1.58-2.16 GHz, 1MB Cache, 4.3W), 2 Gigabit LANs, VGA and -20°C ~ +70°C

Optional

50787842200E	Heatspreader
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