

BS-E097

Fanless Embedded PC Intel® Celeron® J3455 / N3350 / Atom® x5-E3940 Processor

Features



- Optional support for low temperature environments
- Powered by highly cost performance SoC
- Storage support both 2.5" & mSATA type
- Support DC In 12V, 19V, 24V wide voltage power input



Specifications



System

CPU Support	Intel® Celeron® J3455: 10w, 4C, 1.5GHz Intel® Celeron® N3350: 6w, 2C, 1.1GHz Intel® Atom® x5-E3940: 10w, 4C, 1.6GHz
Memory Support	1 x SO-DIMM socket, supporting 1600/1866MHz DDR3L memory up to 8G (non-ECC)
API/SW/FW	Watchdog / HW monitor / fTPM
Storage Support	2.5" 7 mm SATAIII HDD or SSD drive space
Power Input	Wide-ranged voltage DC In 12V and 19, 24V
Power Adapter	60W adapter w/ lockable 3 pin terminal block
Operating System	Windows 10 64bit / Ubuntu17.04 (kernel:4.4)
Expansion Slots	1 x full-sized mSATA slot (with USB signal) 1 x full-sized mPCIe slot (with USB signal)
System Weight	2 kg
Dimensions	217.5 x 46.6 x 140.6 mm (W x H x D) (without Rubber Foot)
Certifications	FCC / CE

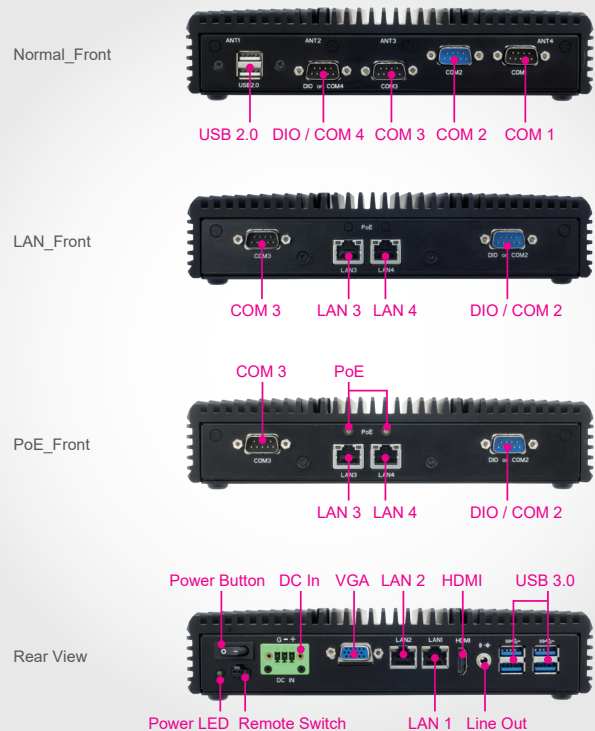
I/O Ports (Front side)

USB	2 x USB 2.0
Serial Ports	COM 1: RS232 COM 2: RS232/422/485 (selectable under BIOS) COM 3 & COM 4: RS-232 with RI/5V/12V selectable by jumper
LAN (optional)	2 x LANs, supports - Optional, must remove 2 x USB & COM 1 & COM 4 - Support PSE (option)
Antenna Hole	4 x antenna holes (supports up to 4 antenna)

I/O Ports (Rear side)

Power Input	3 pin DC In terminal block (lockable), supporting 12V and 19V, 24V
Power On/Off LED	1 x Power Button, 1 x Extended Power Connector
Display	1 x VGA, 1 x HDMI1.4a
LAN	2 x LANs (supports Wake-On-LAN) LAN 1: Intel® I210IT LAN 2: Intel® I210IT
Audio	1 x Line Out
USB	4 x USB 3.0

System Front View & Rear View



Environment

Operating Temp.	Celeron J3455: 0°C~40°C (32°F~104°F) (Ambient with airflow) Celeron N3350: 0°C~40°C (32°F~104°F) Atom E3940: -40°C~60°C (-40°F~140°F)
Storage Temp.	-40°C~85°C (-40°F~185°F)
Humidity	20%~90%

* All information contained in this document is subject to change without prior notice. Please log on www.protech.com.tw to acquire latest information. For detail mechanics drawing, please contact our sales.