



Features

- Onboard Intel® Atom® x7000RE Series or N-Series processor
- 1x DDR5-4800 SO-DIMM, Max. 16GB
- Supports 2x DisplayPort (DP++) and eDP or LVDS
- 2x PCI-E 2.5G LAN, 4x COM ports
- 2x USB 3.2 (Type-A), 4x USB 2.0, 1x SATA III
- 3x M.2 sockets (M-key, E-key & B-key)
- +12V~+24V DC wide-range power input
- Watchdog timer, Digital I/O, dTPM

Specifications

CPU	Intel® Atom® dual-Core x7211RE or Intel® Processor Quad-Core N97
PCH	N/A
Memory	1x DDR5 SO-DIMM, Max. 16GB
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	1x M.2 M2280 (SATA)
Mini Type Slots	1x M.2 (E2230), 1x M.2 (B3052)
Graphics Controller	Intel® SoC integrated Graphics
Video Output	2x DisplayPorts & eDP or LVDS]
Ethernet	2x Intel® PCI-E 2.5G LAN Dual I226IT 2.5G LAN for Atom x7000RE series Dual I226V 2.5G LAN for Processor N series
I/O Chipset	Fintek F81966AB-I
Serial Port	1x RS232/422/485 (Jumperless selection) & 3x RS232
USB 2.0	4x USB 2.0 (Pin-header)
USB 3.X	2x Type-A
Serial ATA	1x SATA III
Audio	Built-in HD with Realtek ALC888S
TPM	Infineon SLB9672 series
Others	Digital I/O (4-in/4-out), EuP/ErP, +12V~+24V DC-in
Dimensions (L x W)	102mm x 147mm (4" x 5.8")
Power Consumption	TBD
Operating Temperature	0°C~+60°C (+32°F ~+140°F) For Processor N -40°C~+85°C (-40°F ~+185°F) For Atom x7000RE processor
Storage Temperature	-40°C~85°C (-40°F ~+185°F)
Relative Humidity	10% ~ 90% (non-condensing)

Ordering Information

IB839F-7433RE	Intel® Atom® x7433RE SoC onboard 3.5-inch SBC, w/ 2x 2.5GbE LAN, 2 x DP, LVDS, 4x COM, 3x M.2, TPM, EuP/ErP, +12V~24V DC-in
IB839F-7211RE	Intel® Atom® x7211RE SoC onboard 3.5-inch SBC, w/ 2x 2.5GbE LAN, 2x DP, LVDS, 4x COM, 3x M.2, TPM, EuP/ErP, +12V~24V DC-in
IB839F-N97	Intel® N97 SoC onboard 3.5-inch SBC, w/ 2x 2.5GbE LAN, 2x DP, LVDS, 4x COM, 3x M.2, TPM, EuP/ErP, +12V~24V DC-in
IB839FE-N97	Intel® N97 SoC onboard 3.5-inch SBC, w/ 2x 2.5GbE LAN, 2x DP, eDP, 4x COM, 3x M.2, TPM, EuP/ErP, +12V~24V DC-in
IB839FE-N97R	Intel® N97 SoC onboard 3.5-inch SBC, w/ 2x 2.5GbE LAN, 2x DP, eDP, 4x COM, 3x M.2, TPM, EuP/ErP, +12V~24V DC-in, Right-angle type PWR connector
HSIB838-A	Heatsink for IB839 Quad-core & Dual-core processors
HSIB838-1	Heat spreader for IB839
IB76A-2	Cable kit w/USB, COM, Power, SATA + Power

