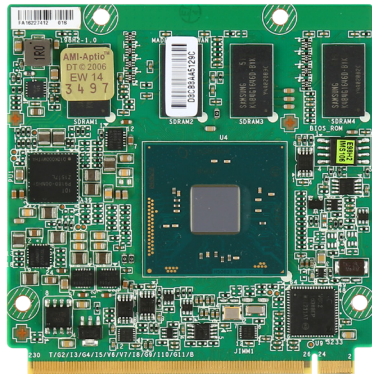


MS-98H2

Qseven R2.0 CPU Module with Intel® Pentium® / Celeron® Processor N3000 Series SoC

NEW



Specifications

Processor	CPU	Intel® Pentium Processor N3710/N3700 Intel® Celeron Processor N3160/N3150
	Frequency	N3710/N3700: Quad Core, 1.6 GHz, 2.56/2.4 GHz (Burst) N3160/N3150: Quad Core, 1.6 GHz, 2.24/2.08 GHz (Burst)
	L2 Cache	2MB
	CPU Type	BGA
	Chipset	Integrated in SoC
Memory	BIOS	AMI
	Technology	Dual-channel DDR3L 1600MHz
	Max. Capacity	Up to 4GB
Display	Socket	Onboard
	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	eDP	1
	HDMI	1
Ethernet	DisplayPort	1
	Multiple Display	2 independent displays 3 independent displays
	Display Interface	eDP1.4 up to 2560 x 1600 @ 60 Hz, HDMI1.4b up to 2560 x 1600 @ 60 Hz, 3840 x 2160 @ 30 Hz DP1.1a up to 2560 x 1600 @ 60 Hz, 3840 x 2160 @ 30 Hz
	Controller	1 x Intel® I211-AT GbE LAN
Audio	Controller	Support HD audio interface to carrier board
Super I/O	Controller	N/A
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	Yes
TPM	Controller	N/A
I/O Interface	USB	4 x USB 2.0 (to carrier board) 2 x USB 3.0 (to carrier board)
	Serial	1 x UART (to carrier board)
Expansion Slot	PCIe x1	3
Storage	SATA	2 x SATA 3.0
	CompactFlash	N/A
Power Supply	DC	+5 V and +5 VSB (standby power)
	ATX	N/A
Environment	Operating Temperature	-10 ~ 60°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
Form Factor	Storage Humidity	10 ~ 90%, non-condensing
	Dimensions	70mm x 70mm (Qseven CPU module)
Certification	Weight	23 g
	EMC	FCC, CE, RCM, VCCI, BSMI

Features

- Intel® Pentium®/Celeron® Processor N3000 Series SoC
- Onboard DDR3L 1600 up to 4GB
- Support Intel® GbE LAN
- 3 DDI ports for eDP, DP, and HDMI
- 4 USB 2.0, 2 USB 3.0, and 3 PCIe x1
- Compliant with Qseven specifications revision 2.0

Ordering Information

Part Number	Description
919-98H2-001	MS-98H2 11 QSeven module board Intel Braswell N3710 SoC, Onboard 4GB DDR3L-1600MHz, 1*GbE LAN, 3*PCIe x1, 2*SATA, 2*USB 3.0, 4*USB 2.0, 1*SD, 1*UART, 1*SMBus, 1*I2C
919-98H2-002	MS-98H2 11 OPT:A QSeven module board Intel Braswell N3160 SoC, Onboard 4GB DDR3L-1600MHz, 1*GbE LAN, 3*PCIe x1, 2*SATA, 2*USB 3.0, 4*USB 2.0, 1*SD, 1*UART, 1*SMBus, 1*I2C

Packing List

Part Number	Description	Quantity
E31-0804880-K08	Standard heatspreader for Qseven module	1
G71-SEDC154-X03/N56	DRIVER CD	1

HMI
Panel PC
Embedded System
Embedded Board
Semi-rugged Terminal
POS System
COM Express Board
Qseven Board
Pico-ITX Board
3.5" Board
EPIC Board
PICMG 1.0 Board
Mini-ITX Board
Micro-ATX Board
ATX Board