



EQM-BSW

Intel® Pentium® and Celeron® N3000 Series SoC Processors Qseven Module

- > Dual, quad-core Intel® Pentium® or Celeron® Processor N3000 Series SoC
- > Onboard DDR3L 2GB, up to 4GB
- > RealTek RTL8119I Giga Ethernet
- > 5 USB 2.0, 1 USB 3.0, 3 PCIe1
- > Dual Channel 24-bit LVDS + HDMI
- > 2 SATA, Onboard eMMC up to 32GB (Optional)
- > Fanless Operation
- > Standard Temperature: 0 ~ 60°C

+ Spec

System	
Processor	Dual or quad-core Intel® Pentium®, Celeron® N3000 SoC Processor Intel® Pentium® N3700 1.6GHz SoC Processor Intel® Celeron® N3150 1.6GHz SoC Processor Intel® Celeron® N3050 1.6GHz SoC Processor Intel® Celeron® N3000 1.04GHz SoC Processor
System Memory	Onboard DDR3L 2GB, up to 4GB
BIOS	Insyde UEFI 64M SPI BIOS
Watchdog Timer	Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage with Auto Throttling Control
Other	Onboard eMMC up to 32GB (Optional)
I/O	
USB	5 x USB 2.0 (One is option to USB convert CAN) and 1 x USB 3.0 to baseboard
SATA	2 x SATA Ports to Baseboard
COM Port	SDIO Supported
Other	LPC, SMBus, I2C, UART (TX, RX), CAN Bus (optional)
MIO	3 PCIe1 Supported
External I/O Connector	Qseven Spec 2.0 Connector for Expansions
Display	
Chipset	Intel® Celeron® SoC Integrated
Resolution	HDMI Mode: 1920 x 1200 @ 60Hz LVDS Mode: 1920 x 1080 @ 60Hz
LVDS	Dual-channel 24-bit LVDS (CH7511)
Multiple Display	HDMI + LVDS to Baseboard
Audio	
Chipset	Intel® Celeron® SoC Integrated
Audio Interface	Intel® High Definition Audio
Ethernet	
Chipset	RealTek RTL8119I Giga Ethernet
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible
Mechanical & Environmental	
Power Requirement	+5V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Type	Qseven Power Spec
Operating Temp	Standard: 0 ~ 60°C
Storage Temp	-20 ~ 75°C
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	2.8" x 2.8" (70mm x 70mm)
Weight	TBD

+ Ordering

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Intel® Celeron® SoC Processors N3700 Family Qseven Module