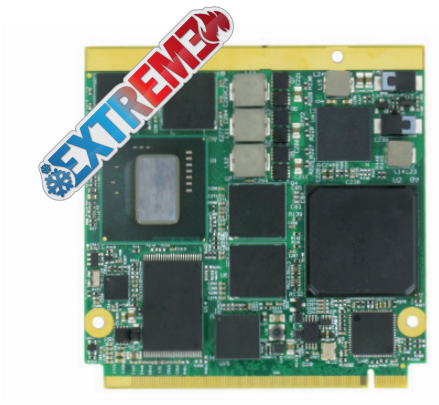
Qseven®

Q7-963

Certified Industrial temperature range Qseven® Rel. 1.20 Compliant Module with Intel® Atom™ E6xxT series CPU + EG20T Chipset



HIGHLIGHTS

- A fully scalable solution based on Intel® Atom™ Processor E6xxT series (600MHz-1.6GHz) & Intel® EG20 Platform Controller Hub chipset
- Available with a full BOM certified for the extended temperature range of -40°C to +85°C
- Suitable for the harsh environment of Automotive and Transportation applications, with typical I/O interfaces, like Can Bus and SATA
- Optional onboard Flash Disk up to 32GB

MAIN FIELDS OF APPLICATION

Energy | Transportation | Industrial | Surveillance

FEATURES

Processor	Intel® Atom™ E620T @ 600MHz 3.3W TDP Intel® Atom™ E640T @ 1.0GHz 3.6W TDP Intel® Atom™ E660T @ 1.3GHz 3.6W TDP Intel® Atom™ E680T @ 1.6GHz 4.5W TDP
Max Cores	1
Max Thread	2
Chipset	Intel® PCH EG20T
Memory	up to 2GB DDR2 onboard
Graphics	integrated Intel® 2D and 3D graphic controller Dual independent display support MPEG2, MPEG4, H.264, DivX HW video decoding
Video Interfaces	LVDS Single Channel 18/24 Bit interface SDVO Interface
Video Resolution	Maximum resolution 1280x768 on LVDS Maximum resolution 1920x1080 on SDVO
Mass Storage	Optional onboard SATA Flash Disk up to 32GB Up to 2 x S-ATA Channels 2 x Express Card interface
Networking	Intel® WG82574IT Gigabit Ethernet controller
USB	6 x USB 2.0 ports 1 x USB client
PCI-e	2x PCI-E x1 lanes
Audio	HD Audio Interface
Other Interfaces	SD / MMC / SDIO interface CAN BUS Interface Expansion Bus: I2C, SMBus, LPC, SPI FAN Management Interface Power management signals
Power Supply	+5V_{DC} AT/ATX mode
Operating System	Microsoft® Windows® XP (32 bit) Microsoft® Windows® 7 (32 bit) Microsoft® Windows® Embedded Standard 7 (32 bit) Microsoft® Windows® Embedded Standard 2009 (32 bit) Microsoft® Windows® Embedded Compact 7
Operating Temperature*	-40°C ÷ +85°C (industrial version)
Dimensions	70x70 mm (2.76" x 2.76")

*Measured at any point of SECO standard heatspreader for this product, during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider application-specific cooling solutions for the final system to keep the heatspreader temperature in the range indicated.