# QuadMo747-EXTREME

## Qseven®
### COMPLIANT MODULE

Computer on Module with Intel® Atom™ Z5xxPT series – US15WPT Chipset, specifically designed for industrial temperature range

## DESCRIPTION

The Qseven® QuadMo747 board is based on the Intel® Atom™ Z5xxPT platform. Its small and squared form - the board measuring just 70mm x 70mm - targets perfectly all mobile applications with its easy integration in the final system of different fields such as Medical, Industrial and Automation.

SECO offers the innovative module QuadMo747/XL with Intel® Atom™ Z5xxPTseries processors: a low end CPU, Intel® Atom™ Z510PT at 1.1 GHz (400 MHz FSB) and a middle-end CPU, Intel® Atom™ Z520PT at 1.33 GHz (533 MHz FSB). Both versions have a 512KB L2 cache and support up to 8GB flash modules soldered on board providing a rugged storage solution.

All components of the board are specifically selected for use in Industrial Temperature Range, so the board is certified to work in -40°C ÷ +85°C temperature range.

QuadMo747/XL modules also provides extensive legacy free connectivity, including: 1 x PCI Express x1; 1 x SATA; 8 x USB 2.0; 1 x Gigabit Ethernet; 1 x SDIO 4 Bit interface; LVDS 18 or 24 Bit single channel; 1 x SDVO; 1 x HDA (High Definition Audio); I²C Bus and LPC (Low Pin Count Bus).

## TECHNICAL SPECIFICATIONS

**Industrial Temperature Range, -40°C ÷ +85°C**

| Bill of Material specifically selected for Industrial Temperature Range | |
|---|---|
| CPU | Intel® Atom™ Z510PT@ 1,1GHz |
| | Intel® Atom™ Z520PT@ 1,33 GHz |
| Chipset | Intel® SCH US15WPT |
| DRAM | up to 1GB DDR2 400/533MHz |
| CACHE | 512KB L2 |
| Graphic Interface | integrated Intel® GMA500 Graphic accelerator |
| LVDS | Single Channel 18/24 Bit LVDS Transmitter |
| | Resolution up to 1366 x 768 |
| SDVO interface | |
| PCI-e ports | 1 x PCI Express x1 ports |
| USB | 8x USB 2.0 ports |
| ETHERNET | Gigabit Ethernet port (optional) |
| SD I/O | 1 x 4-bit interface |
| Mass Storage | Onboard Flash Disk up to 8GB |
| | 1 x S-ATA channel |
| Audio | HD Audio Interface |
| Interface Buses | I²C Bus |
| | LPC BUS for legacy peripherals |
| | SM Bus |
| Power management signals | |
| Thermal cooling interface | |
| Power supply | +5V$_{DC}$ ± 5% |
| Dimensions | 70x70 mm (2.76" x 2.76") |

## ACCESSORIES

Heat Spreader and heat sink kits available on request.

## ORDERING INFORMATION

Please Contact SECO for Ordering Information





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