

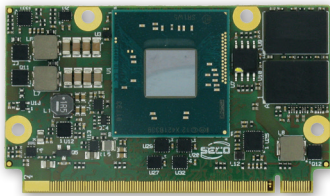


μQ7-A76-J

μQseven® standard module with the Intel® Atom™ E3800 and Celeron® families (formerly Bay Trail)

Smallest x86 standard module at proprietary costs

HIGHLIGHTS



CPU Intel® Atom™ E3800 and Celeron® families	CONNECTIVITY 4x USB 2.0; 1x USB 3.0; 3x PCI-e x1; LPC Bus
GRAPHICS Integrated Intel® HD Graphics 4000 Series controller	MEMORY up to 4GB Single Channel DDR3L memory



MAIN FIELDS OF APPLICATION



FEATURES

Processor Intel® Celeron® N2807 , Dual Core @1.58GHz, 1MB Cache, 4.3W TDP Intel® Atom™ E3815 , Single Core @1.46GHz, 512KB Cache, 5W TDP Intel® Atom™ E3825 , Dual Core @1.33GHz, 1MB Cache, 6W TDP	Other Interfaces I2C Bus LPC Bus SM Bus Thermal / FAN management Power Management Signals
Max Cores 2	Power Supply +5V _{DC} ± 5%
Max Thread 2	Operating System Microsoft® Windows 7 Microsoft® Windows 8.1 Microsoft® Windows 10 Microsoft® Windows 10 IoT Microsoft® Windows Embedded Standard 7 Microsoft® Windows Embedded Compact 7 Linux Yocto
Memory Soldered on-board DDR3L memory E3825, E3815: up to 4GB Single-Channel DDR3L @ 1066MHz N2807: up to 4GB Single-Channel DDR3L @ 1333MHz	Operating Temperature* 0°C ÷ +60°C
Graphics Integrated Intel® HD Graphics 4000 series controller Dual independent display support HW decoding of H.264, MPEG2, MVC, VC1, VP8, MJPEG formats HW encoding of H.264, MPEG2 and MVC formats	Dimensions 40 x 70 mm (1.57" x 2.76")
Video Interfaces Multimode Display Port interface 18 / 24 bit dual channel LVDS interface	*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.
Video Resolution DP++ (HDMI compatible): Up to 2560x1600@60Hz LVDS interface: Up to 1920x1200@60Hz	
Mass Storage 2 x external SATA channels SD interface Optional eMMC drive soldered on-board	
Networking Gigabit Ethernet interface	
USB 1 x USB 3.0 Host port 4 x USB 2.0 Host ports (one shared with USB 3.0 interface)	
PCI-e 3 x PCI-e x1 lanes Gen2	
Audio HD Audio interface	
Serial Ports 1 x Serial port (TTL interface, Tx / Rx only)	

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BLOCK DIAGRAM

