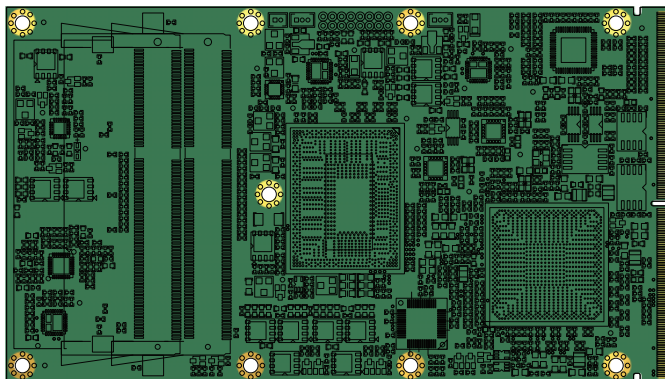


EDM-XI-QM77



Intel QM77 with 3rd generation i3/i7 Core BGA mounted ultra low voltage processor

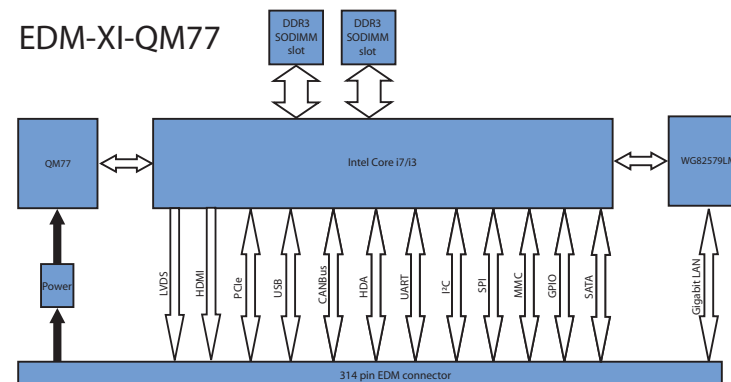
Dual channel SO-DIMM slots

With HDMI/LVDS or DP/eDP display interfaces.

Dual CAN bus



EDM-XI-QM77



Core System

CPU	Intel Core i7-3555LE @ 2.5GHz Intel Core i7-3517UE @ 1.7GHz Intel Core i3-3217UE @ 1.6GHz Intel Celeron Q1-2013 (TBD)
Chipset	Intel QM77
System memory	Dual channel DDR3 memory up to 16GB in dual SODIMM socket
BIOS	AMI UEFI
CAN Bus	2x High End CAN-Bus Controller version 2.0B compliant

Connectivity

Network	Intel Gigabit LAN WG82579LM
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Video

Integrated	Intel HD Graphics 4000
Integrated video	DirectX 11, 10.1, 10, 9 and OpenGL 3.0
Feature support	Intel Clear Video Technology HD Advanced Scheduler 2.0, 1.0, XPDM support DirectX Video Acceleration (DXVA) support for full AVC/VC1/ MPEG2 hardware decode

Audio

Interface	HD Audio
Audio codec	on EDM baseboard

I/O

Storage	2x SATA
Serial Port	2x UART
USB	USB 3.0

Power Specifications

Input power	5 VDC
Smart Battery	Yes

Mechanical and Environmental

Temperature	Commercial: 0° to 70° C Extended: -20° to 70° C
Humidity	10-90%
Form Factor	EDM Extended form factor
Dimensions	82 x 145 mm (3 1/8 x 5 3/4 inch)
MTBF	>50,000 hours
Weight	200 grams
Shock	50G / 25ms
Vibration	20G / 0-600 Hz

Operating Systems

Standard support	Linux, Android, Windows 7, Windows 8
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Optional Accessories

EDM-X-Bracket	EDM extended baseboard mount bracket
HSA-EDM-S-25W	EDM heatsink with fan
HSP-EDM-S-10W	EDM passive heatsink
HS-EDM-XI-QM77	EDM-XI-QM77 compatible heatspreader

Feel free to contact us for custom tailored interface board request for your projects.

EDM Standard/Extended

Power 5 VDC	LAN	Low standard Extended							CANBus x2	SD	SPI x2	UART x2	Buttons + GPIO	RSVD
		LVDS/ eDP 2 nd	HDMI/ DP 2 nd	PCIe x4	SATA 2 nd	LPC	HDA	SPDIF				PC x1		
		LVDS/ eDP 1 st	HDMI/ DP 1 st	PCIe x2	SATA 1 st	USB	USB Host	I2S 1st						

Ordering Information

EDM-XI-QM77-i7-3555LE

Intel core i7 2.5Ghz EDM Extended Module with Dual LVDS and HDMI

EDM-XI-QM77-i7-3555LE-DP

Intel core i7 2.5Ghz EDM Extended Module with Dual embedded DP and DP

EDM-XI-QM77-i7-3517UE

Intel core i7 1.7Ghz EDM Extended Module with Dual LVDS and HDMI

EDM-XI-QM77-i7-3517UE-DP

Intel core i7 1.7Ghz EDM Extended Module with Dual embedded DP and DP

EDM-XI-QM77-i3-3217UE

Intel core i3 1.6Ghz EDM Extended Module with Dual LVDS and HDMI

EDM-XI-QM77-i3-3217UE-DP

Intel core i3 1.6Ghz EDM Extended Module with Dual embedded DP and DP

EDM-XI-QM77-Celeron

Intel Celeron EDM Extended Module with Dual LVDS and HDMI

EDM-XI-QM77-Celeron-DP

Intel Celeron EDM Extended Module with Dual embedded DP and DP

Dimensions

units in mm

