MSC Q7-SK-BT-EP6

Starterkit for Qseven Modules with Atom E3800

⤢	148x102
♨	N.A.
🌡	0 +60

(intel) | IoT Solutions Alliance

Description

The Qseven Rev. 2.0 Starter Kit for Qseven modules with the Intel Atom E3800 SOCs is based on a 3.5" Qseven 2.0 carrier board MSC Q7-MB-EP6 and contains all necessary products to quickly enable the user to run and evaluate the E3800 module range. The kit does not contain a Qseven module in order to give the user greater flexibility as to which particular module version and CPU speed variant is desired.

As part of the Qseven Starter Kit, the appropriate heatsink and a power supply with cable kit will be supplied. Direct screen output on a PC monitor is possible using the on-board DP output while LVDS signals are available for TFT output. Optional TFT Kits are available on request.

Highlights

- 3.5" Qseven carrier board with socket for Qseven Rev. 2.0 module
- Heatsink for all module variants of the Q7-BT family
- 12V power supply and cable kit included for immediate operation of the Starter Kit
- Getting Started manual, drivers, manuals etc. are available on the MSC Support website
- DP graphics output
- LVDS graphics output on standard 30-pin connector; backlight connector includes adjustable backlight voltage and dimming
- 2x Ethernet (10/100/1000 LAN) connector, 1x SATA connector
- USB 3.0, 3x USB 2.0, 1x microUSB OTG, 2x UART, SD-Card socket, miniPCIexpresss and mSATA slots
- Optional 7" WVGA (800 x 480) and 12.1" XGA (1024x768) TFT kits

Technical Data - MSC Q7-SK-BT-EP6

Technology	x86
Formfactor	Qseven
Storage Interfaces	2x SATA 3Gb/s
USB	1x USB 3.0 3x USB 2.0 1x USB 2.0 OTG
Serial Interfaces	2x RS232 1x RS485
Bus Interfaces	I²C Bus SMBus SPI
Display Interfaces	DisplayPort (derived from DDI channel) LVDS 18/24 bit, dual channel
Network Interface	2x 10/100/1000Base-TX (one from Qseven module, one from on-board LAN Controller)
Audio Interface	High Definition Audio
Miscellaneous	RTC battery holder
Power Requirement	+10V..+28V input voltage
Environment	Ambient Temperature: 0° … 60°C (operating), -40° … 85°C (storage) Humidity: 5 … 95% (operating, non-condensing), 5 … 95% (storage, non-condensing)
Dimensions	148mmx102mm
Certificates	UL / CE
Cooling	Suitable Heatspreader with Heatsink for Q7-BT Module
Carrier	Carrier board in 3.5" (ECX) form factor

Order Reference - MSC Q7-SK-BT-EP6

Order Number	Description	Reference	Cat
46995	The Qseven Rev. 2.0 Starter Kit for Qseven modules with the Intel Atom E3800 SOCs is based on a 3.5" Qseven carrier board MSC Q7-MB-EP6 and contains all necessary products to quickly enable the user to run and evaluate the E3800 module range. The kit does not contain a Qseven module in order to give the user greater flexibility as to which particular module version and CPU speed variant is desired. As part of the Qseven Starter Kit, the appropriate heatsink and a power supply with cable kit will be supplied. Direct screen output on a PC monitor is possible using the on-board HDMI/DP output while LVDS signals are available for TFT output.	MSC Q7-SK-BT-EP6-KIT001	OR

Accessories

Order Number	Description	Reference
	10.1" Displaykit	
78879	Displaykit suitable for all COM Carrier Boards and all COM Starterkits. Comprises 10.1" WXGA LCD with PCAP Touch Sensor and Touch Controller. Includes all cables required to connect to COM Carrier Boards (LVDS, B/L & Touch).	MSC DIS-AM1280800-101-KIT SETPAC
	12.1" Displaykit	
78880	Displaykit suitable for all COM Carrier Boards and all COM Starterkits. Comprises 12.1" WXGA LCD with PCAP Touch Sensor and Touch Controller Includes all cables required to connect to COM Carrier Boards (LVDS, B/L & Touch)	MSC DIS-AM1280800-121-KIT SETPAC
	5.0" Displaykit	
81871	Displaykit suitable for all COM Carrier Boards and all COM Starterkits. Comprises 5.0" WVGA LCD with PCAP Touch Sensor and Touch Controller Includes all cables required to connect to COM Carrier Boards (LVDS, B/L & Touch)	MSC DIS-AM800480-050-KIT SETPAC
	7" Displaykit	
78911	Displaykit suitable for all COM Carrier Boards and all COM Starterkits. Comprises 7.0" WVGA LCD with PCAP Touch Sensor and Touch Controller Includes all cables required to connect to COM Carrier Boards (LVDS, B/L & Touch)	MSC DIS-AM800480-070-KIT SETPAC