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# MSC Q7-SK-AL-EP6

## Starterkit for Qseven Modules with Atom E3900



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|---|---|
| ⤢ | 148 x 102 mm |
| ♨ | N.A. |
| 🌡 | N.A.N.A. |

## Description

The Qseven Starter Kit for Qseven modules with the Intel "Apollo Lake" E3900 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 Q7-AL 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 heatspreader will be supplied. A power supply with cable kit is also included for convenience. Direct screen output on a DP monitor is possible using the on-board DP connector.

## Highlights

- 3.5" Qseven carrier board with socket for Qseven Rev. 2.0 module
- Heatspreader with heatsink for all module variants of the Q7-BW family
- 12V power supply and cable kit included for immediate operation of the Starter Kit
- Resource USB Flash stick with drivers, manuals etc.
- 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

- Getting Started manual
- Optional 7" WVGA (800 x 480) and 12.1" XGA (1024x768) TFT kit

## Technical Data - MSC Q7-SK-AL-EP6

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|---|---|
| **Formfactor** | Qseven |
| **Storage Interfaces** | SATA connector<br>mSATA card slot<br>SD Card slot |
| **USB** | 1x USB 3.0 Host<br>3x USB 2.0 Host<br>1x USB 2.0 Host/Device on µUSB Connector |
| **Serial Interfaces** | RS-232 and RS-485 from UART0<br>RS232 from UART2 |
| **Bus Interfaces** | CAN<br>LPC<br>MiniExpressCard slot |
| **Display Interfaces** | DisplayPort<br>Dual-Channel LVDS 18/24 Bit |
| **Network Interface** | 2x 10/100/1000 LAN<br>(one from module, one from LAN Ctrl.) |
| **Audio Interface** | HD Audio on pin row |
| **Power Requirement** | 4-pin power connector 10..28VDC |
| **Environment** | Operating Temperature<br>0° … 70°C (operating)<br>-20°… 85°C (storage)<br>Humidity<br>20 … 80% (operating, non-condensing)<br>5 … 95% (storage, non-condensing) |
| **Dimensions** | 148 x 102 mm |
| **Certificates** | UL / CE |
| **Cooling** | Heatsink included |
| **Carrier** | MSC Q7-MB-EP6 Qseven 2.0 carrier |

## Order Reference - MSC Q7-SK-AL-EP6

| Order Number | Description | Reference | Cat |
|---|---|---|---|
| 70252 | Qseven Starterkit for Qseven modules with Intel Atom E39xx (Apollo Lake) processor. Consists of a Qseven baseboard MSC Q7-MB-EP6-601, Heatsinks, 12V power supply and cable kit. Does not contain Qseven module Q7-AL-xyz, please order separately! | MSC Q7-SK-AL-EP6-KIT001 | PV |

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## 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 |