

MSC C6-SK-BT-EV

Type 6 Starterkit for BayTrail/ Braswell Modules



N.A.



N.A.



N.A.N.A.

Description

COM Express Type 6 Starterkit for Modules with Intel Atom BayTrail and Braswell processors. It is ideally suited for evaluation purposes, for software development and for prototyping of Type 6 applications.

It contains the new COM Express baseboard for Type 6 modules in the Mini-ITX form factor providing the interface infrastructure for the COM Express Type 6 modules with various PC type connectors for external access. In addition the Starter Kit comes with the suitable Heatspreader for MSC C6C-BT modules, 2x DDR3 memory modules and a 12V Power Supply with cable.

The MSC C6-SK-BT-EV-KIT001 does not contain the COM Express module thereby leaving the choice of module variant to the user. The suitable MSC C6C-BT or MSC C6C-BW module should be ordered along with the Starter Kit.

The Kit can optionally be accompanied by various Display Kits containing TFT panels in several popular resolutions.

Highlights

- Starterkit for COM Express™ Type 6 modules with Intel “BayTrail” or “Braswell” SOC
- Heatspreader for MSC C6C-BT or C6C-BW modules
- 2x DDR3L SODIMM memory modules
- 12V Power Supply with cable
- Mini-ITX format baseboard for Type 6 modules
- PCI Express x16 (useable as PEG or x4)*
- PCI Express Mini Card slot
- Four SATA connectors*
- Four USB 3.0 interfaces*
- Up to four USB 2.0 ports*
- Three DisplayPort connectors*
- LVDS and eDP connectors*
- VGA connector*
- GbE interface
- SD Card slot
- HD audio codec
- Super I/O
- COM Express specific interfaces*
- Size 170mm x 170mm
- *Support depending on COM Express module used

Technical Data - MSC C6-SK-BT-EV

Technology	x86
Formfactor	Mini-ITX
RAM	2x 2GB DDR3 DRAMs PC1600
Storage Interfaces	4x SATA-II SD Card Socket
USB	4x USB 3.0 4x USB 2.0
Serial Interfaces	LPC bus on 10-pin header
Bus Interfaces	PCI Express x4 (on PCIe x16 socket)
Display Interfaces	DisplayPort, EmbeddedDisplayPort, LVDS
Network Interface	RJ45 connector 10/100/1000 LAN
Audio Interface	3x audio jacks and SPDIF on 5-pin header
Miscellaneous	3V Battery CR2032
Power Requirement	12V Power Supply included
Environment	0..60°C
Dimensions	170 x 170 mm
Certificates	UL / CE
Cooling	Heatsink with Fan
Carrier	MSC C6-MB-EV in Mini-ITX format

Order Reference - MSC C6-SK-BT-EV

Order Number	Description	Reference	Cat
67555	COM Express Type 6 Starterkit for all C6C-BT and C6C-BW modules; uses the C6-MB-EV platform for Type 6 modules in Mini-ITX format; includes 2x DDR3 memory modules, suitable Heatspreader for C6C-BT and -BW modules and 12V Power Supply with Power Cable; includes Resource Drive with drivers, tools and documentation	MSC C6-SK-BT-EV-KIT001	PV

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

Avnet Embedded
MSC Technologies GmbH
Industriestr. 16
76297 Stutensee

AvnetEmbedded@avnet.com
[avnet.com/embedded](https://www.avnet.com/embedded)

Copyright © 2021 Avnet. All data is for information purposes only and is subject to change without notice. No guarantee for legal purposes is implied. Information in this document has been carefully checked, however, no responsibility for inaccuracies has to be assumed. All brand or product names may be trademarks and property of their respective owners.