

## MSC C6-SK-AL-EV

### Type 6 Starterkit for Apollo Lake Modules



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**COM**   
**Express**<sup>®</sup>

### Description

COM Express Type 6 Starterkit for Modules with Intel Atom Apollo Lake 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 Heatsinks for MSC C6C-AL modules, 2x DDR3L memory modules and a 12V Power Supply with cable.

The MSC C6-SK-AL-EV-KIT001 does not contain the COM Express module thereby leaving the choice of module variant to the user. The suitable MSC C6C-AL 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 “Apollo Lake” SOC
- Heatsinks for MSC C6C-AL 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-AL-EV

<b>Technology</b>	x86
<b>Formfactor</b>	Mini-ITX
<b>RAM</b>	2x 2GB DDR3L DRAMs PC1600
<b>Storage Interfaces</b>	4x SATA-II SD Card Socket
<b>USB</b>	4x USB 3.0 4x USB 2.0
<b>Serial Interfaces</b>	LPC bus on 10-pin header
<b>Bus Interfaces</b>	PCI Express x4 (on PCIe x16 socket)
<b>Display Interfaces</b>	DisplayPort, embeddedDisplayPort, LVDS
<b>Network Interface</b>	RJ45 connector 10/100/1000 LAN
<b>Audio Interface</b>	3x audio jacks and SPDIF on 5-pin header
<b>Miscellaneous</b>	3V Battery CR2032
<b>Power Requirement</b>	12V Power Supply included
<b>Environment</b>	0..60°C
<b>Dimensions</b>	170 x 170 mm
<b>Certificates</b>	UL / CE
<b>Cooling</b>	Heatsinks
<b>Carrier</b>	MSC C6-MB-EV in Mini-ITX format

## Order Reference - MSC C6-SK-AL-EV

Order Number	Description	Reference	Cat
70503	COM Express Type 6 Starterkit for all C6C-AL modules; uses the C6-MB-EV platform for Type 6 modules in Mini-ITX format; includes 2x DDR3L memory modules, suitable Heatsinks for C6C-AL modules and 12V Power Supply with power cable	MSC C6-SK-AL-EV-KIT001	PV

## Accessories

Order Number	Description	Reference
<b>10.1" Displaykit</b>		
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
<b>12.1" Displaykit</b>		
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
<b>5.0" Displaykit</b>		
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
<b>7" Displaykit</b>		
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

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