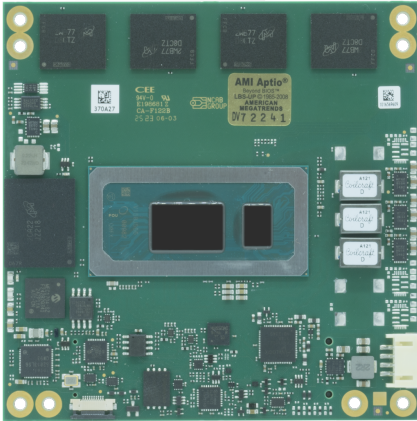


## MSC C6C-RLP

### Intel® Core™ 13th Generation



95 x 95

22 / 49 W

-40 +85



COM Express

## Description

The MSC C6C-RLP COM Express module features the 13th Gen Intel® Core™ processor, giving application designers a great variety of choices of power efficient and performant compute solutions. The module is ideal for applications such as in industrial automation, transportation, medical equipment, process control and HMI terminals, that require outstanding performance on a small form factor. The Intel® performance hybrid architecture combines Performance-cores and Efficient-cores with the Intel® Thread Director providing intelligent workload optimization. The architecture scales up to fourteen cores and twenty threads at 35W thermal design power (TDP). For applications with need for lower power dissipation, selected processor variants can be operated down to 12W TDP. The board is ideal for mission critical applications supporting extended temperature range, 24/7 continuous operation, memory down with in-band ECC protection and optional conformal coating.

The module enables fast LPDDR5-6000 memory technology and up to sixty-four GB main memory. I/O located on COM Express carrier designs can be connected to the module via up to eight PCIe Gen 3 lanes and up to sixteen lanes PCIe Gen 4. The Ethernet interface provides up to 2.5GbE bandwidth based on the Intel i226 network controller.

System investments are well protected through long-term availability of the module, designed, and manufactured by Avnet Embedded. In addition, the COM Express standard enables performance scaling and migrating applications to future technology upgrades when they become available.

## Highlights

- 13th Gen Intel® Core™ processors
- Scalable CPU performance
- Up to fourteen cores, twenty threads
- Industrial grading options (Intel® TCC, TSN, IB ECC, ext. Temp., 24/7)
- LPDDR5 main memory, up to 6000 MT/s, memory-down, up to 64GB
- In-band ECC option
- Intel® Iris® Xe architecture Graphics, up to 96 EUs
- Three DisplayPort/HDMI interfaces
- LVDS and Embedded DisplayPort interface
- Up to four independent displays
- Up to eight PCI Express® Gen 3 lanes, flexible bifurcation options
- PCI Express® Gen 4, up to 2x4
- Optional PEG port, PCI Express® Gen 4, 1x8
- Up to two USB4, four USB 3.2 Gen1/2 and eight USB 2.0 ports
- Two UARTs
- Optional on-board NVMe SSD, up to 1TB
- Up to two SATA 6Gb/s mass storage interfaces
- 1 / 2.5 Gb Ethernet port (Intel® i226)
- TSN, TCC support
- Trusted Platform Module TPM 2.0
- Long-term product availability

## Technical Data - MSC C6C-RLP

<b>Technology</b>	x86
<b>Formfactor</b>	COM Express Compact
<b>CPU</b>	<p>13th Gen Intel® Core™ processors</p> <p>H-series</p> <p>Intel® Core™ i7-13800HE 6P+8E/20T, 2.5GHz, 96 EUs, 24MB L3, 45/35W cTDP  Intel® Core™ i7-13800HRE 6P+8E/20T, 2.5GHz, 96 EUs, 24MB L3, 45/35W cTDP, TCC/TSN, IBECC, ET  Intel® Core™ i5-13600HE 4P+8E/16T, 2.7GHz, 80 EUs, 18MB L3, 45/35W cTDP  Intel® Core™ i5-13600HRE 4P+8E/16T, 2.7GHz, 80 EUs, 18MB L3, 45/35W cTDP, TCC/TSN, IBECC, ET  Intel® Core™ i3-13300HE 4P+4E/12T, 2.1GHz, 48 EUs, 12MB L3, 45/35W cTDP  Intel® Core™ i3-13300HRE 4P+4E/12T, 2.1GHz, 48 EUs, 12MB L3, 45/35W cTDP, TCC/TSN, IBECC, ET</p> <p>P-series</p> <p>Intel® Core™ i7-1370PE 6P+8E/20T, 1.9GHz, 96 EUs, 24MB L3, 28/20W cTDP  Intel® Core™ i7-1370PRE 6P+8E/20T, 1.9GHz, 96 EUs, 24MB L3, 28/20W cTDP, TCC/TSN, IBECC, ET  Intel® Core™ i5-1350PE 4P+8E/16T, 1.8GHz, 80 EUs, 12MB L3, 28/20W cTDP  Intel® Core™ i5-1350PRE 4P+8E/16T, 1.8GHz, 80 EUs, 12MB L3, 28/20W cTDP, TCC/TSN, IBECC, ET  Intel® Core™ i5-1340PE 4P+8E/16T, 1.8GHz, 80 EUs, 12MB L3, 28/20W cTDP  Intel® Core™ i3-1320PE 4P+4E/12T, 1.7GHz, 48 EUs, 12MB L3, 28/20W cTDP  Intel® Core™ i3-1320PRE 4P+4E/12T, 1.7GHz, 48 EUs, 12MB L3, 28/20W cTDP, TCC/TSN, IBECC, ET, TCC/TSN, IBECC, ET</p> <p>U-series</p> <p>Intel® Core™ i7-1365UE 2P+8E/12T, 1.7GHz, 96 EUs, 12MB L3, 15/12W cTDP  Intel® Core™ i7-1365URE 2P+8E/12T, 1.7GHz, 96 EUs, 12MB L3, 15/12W cTDP, TCC/TSN, IBECC, ET  Intel® Core™ i5-1345UE 2P+8E/12T, 1.4GHz, 80 EUs, 12MB L3, 15/12W cTDP  Intel® Core™ i5-1345URE 2P+8E/12T, 1.4GHz, 80 EUs, 12MB L3, 15/12W cTDP, TCC/TSN, IBECC, ET  Intel® Core™ i5-1335UE 2P+8E/12T, 1.3GHz, 80 EUs, 12MB L3, 15/12W cTDP  Intel® Core™ i3-1315UE 2P+4E/8T, 1.2GHz, 64 EUs, 10MB L3, 15/12W cTDP  Intel® Core™ i3-1315URE 2P+4E/8T, 1.2GHz, 64 EUs, 10MB L3, 15/12W cTDP, TCC/TSN, IBECC, ET  Intel® Processor U300E 1P+4E/6T, 1.1GHz, 48 EUs, 8MB L3, 15/12W cTDP</p> <p>Note: P core base frequency at nominal TDP shown, other clock frequencies supported</p>
<b>Chipset</b>	Integrated into SoC
<b>RAM</b>	LPDDR5 memory, up to 6000 MT/s; memory-down Capacity options: 4GB, 8GB, 16GB, 32GB, 64GB
<b>Storage Interfaces</b>	Up to 2x SATA channels (up to 6Gb/s) optional on-board NVMe, 64GB to 1TB
<b>USB</b>	Up to 2x USB4 Gen 2, shared with DDI1/2 4x USB 3.2 (Gen 1 & 2) 8x USB 2.0 Note: capabilities depending on carrier design

<b>Serial Interfaces</b>	2x high-speed serial ports
<b>Bus Interfaces</b>	<p>PCI Express<sup>®</sup> Gen 4, 1x4, on COMe PCIe[16:19]          PCI Express<sup>®</sup> Gen 4, 1x4, on COMe PCIe[20:23], optional          PCI Express<sup>®</sup> Gen 4, 1x8, on COMe PCIe[24:31], PEG port, optional <sup>1</sup>          Up to eight PCI Express<sup>®</sup> Gen 3 lanes, flexible bifurcation options, up to 5 root ports          LPC bus (Low Pin Count bus, no DMA support)  <sup>1</sup> Available on H-series processors</p>
<b>Display Controller</b>	Intel <sup>®</sup> Iris <sup>®</sup> Xe architecture Graphics, Up to 96 execution units (EU) H.264/AVC, H.265/HEVC, AV1, MJPEG encode/decode/transcode.
<b>Display Interfaces</b>	<p>Four independent displays supported          3x Digital Display Interface (DP 1.4a, HDMI 2.0b)          1x Embedded DisplayPort 1.4b          1x LVDS 24bit, dual-channel;</p>
<b>Network Interface</b>	<p>10/100/1000Base-TX, 2.5G<sup>1</sup> based on Intel i226, with TSN support  <sup>1</sup> Available bandwidths depending on carrier design          I-Temp variants: Intel<sup>®</sup> i226-IT          C-Temp variants: Intel<sup>®</sup> i226-LM</p>
<b>Audio Interface</b>	High Definition Audio
<b>Security Device</b>	TPM 2.0
<b>Miscellaneous</b>	<p>Watchdog Timer:          Initiates system reset, programmable</p> <p>Fan Supply:          4-pin header for CPU fan, PWM speed controlled          and PWM speed control for system fan supported</p> <p>RTC battery:          external</p> <p>System Monitoring:          voltage, temperature, CPU fan, system fan</p>
<b>Feature Highlights</b>	Type 6 pin-out

<b>Firmware</b>	<p>UEFI Firmware: AMI Aptio® V</p> <p>Security: TPM 2.0 support, TCG compliant</p> <p>Power Management: ACPI Active fan control</p> <p>USB: USB legacy support (keyboard, mouse, storage)</p> <p>Monitoring: System Monitoring Health Monitoring</p> <p>MSC Adv. Boot Device Selection: Boot device priority setting based on physical interfaces</p>
<b>OS Support</b>	<p>Windows 10 IoT Enterprise 2021 LTSC BSP for Linux (Yocto)</p>
<b>Power Requirement</b>	<p>Voltage: +8.5V to +20V, +5V Stby optional</p> <p>Power Consumption: 22 W to 49 W (typ., variant dependent)</p>
<b>Environment</b>	<p>Ambient Temperature: 0° ... 60°C (operating) -25° ... 85°C (storage) Extended temp. variants: -40 ... +85°C (operating)</p> <p>Humidity: 5 ... 95% (operating, non-condensing), 5 ... 95% (storage, non-condensing)</p>
<b>Dimensions</b>	95 x 95
<b>Certificates</b>	UL / CE

## Order Reference - MSC C6C-RLP

Order Number	Description	Reference	Cat*
98031	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i7-13800HE 14C/20T, vPro, 1.8GHz, 35W cTDP; Graphics: Intel® Iris® Xe 96 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 1TB NVMe; 4x USB3, 8x USB2, PEG x8 Gen 4, PCIe Gen 4 1x4, PCIe Gen 3 8x; 32GB LPDDR5-6000 memory; 0...+60°C.	MSC C6C-RLP-13800HE-5A301C PCBFTX	OR
98029	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i7-13800HE 14C/20T, vPro, 1.8GHz, 35W cTDP; Graphics: Intel® Iris® Xe 96 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PEG x8 Gen 4, PCIe Gen 4 2x4, PCIe Gen 3 8x; 16GB LPDDR5-6000 memory; 0...+60°C.	MSC C6C-RLP-13800HE-4N301C PCBFTX	OR
98017	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i5-13600HE 12C/16T, vPro, 1.9GHz, 35W cTDP; Graphics: Intel® Iris® Xe 80 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PEG x8 Gen 4, PCIe Gen 4 2x4, PCIe Gen 3 8x; 16GB LPDDR5-6000 memory; 0...+60°C.	MSC C6C-RLP-13600HE-4N301C PCBFTX	OR
98015	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i5-13600HE 12C/16T, vPro, 1.9GHz, 35W cTDP; Graphics: Intel® Iris® Xe 80 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PEG x8 Gen 4, PCIe Gen 4 2x4, PCIe Gen 3 8x; 8GB LPDDR5-6000 memory; 0...+60°C.	MSC C6C-RLP-13600HE-3N301C PCBFTX	OR
97999	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i3-13300HE 8C/12T, 1.2GHz, 35W cTDP; Graphics: Intel® UHD 48 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PEG x8 Gen 4, PCIe Gen 4 2x4, PCIe Gen 3 8x; 8GB LPDDR5-6000 memory; 0...+60°C.	MSC C6C-RLP-13300HE-3N301C PCBFTX	OR
98025	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i7-1370PE 14C/20T, vPro, 1.9GHz, 28/20W cTDP; Graphics: Intel® Iris® Xe 96 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 8x; 16GB LPDDR5-6000 memory; 0...+60°C.	MSC C6C-RLP-1370PE-4N301C PCBFTX	OR

\*COM products are divided in two categories, „PV“ (preferred variant) and „OR“ (on request).

## Order Reference - MSC C6C-RLP

Order Number	Description	Reference	Cat*
98011	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i5-1350PE 12C/16T, vPro, 1.8GHz, 28/20W cTDP; Graphics: Intel® Iris® Xe 80 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 64GB NVMe; 4x USB3, 8x USB2, PCIe Gen 4 1x4, PCIe Gen 3 8x; 16GB LPDDR5-6000 memory; 0...+60°C.	MSC C6C-RLP-1350PE-46301C PCBFTX	OR
98005	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i5-1340PE 12C/16T, 1.8GHz, 28/20W cTDP; Graphics: Intel® Iris® Xe 80 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 8x; 8GB LPDDR5-6000 memory; 0...+60°C.	MSC C6C-RLP-1340PE-3N301C PCBFTX	OR
97995	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i3-1320PE 8C/12T, 1.7GHz, 28/20W cTDP; Graphics: Intel® UHD 48 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 8x; 8GB LPDDR5-6000 memory; 0...+60°C.	MSC C6C-RLP-1320PE-3N301C PCBFTX	OR
98021	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i7-1365UE 10C/12T, vPro, 1.7GHz, 15/12W cTDP; Graphics: Intel® Iris® Xe 96 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 8x; 8GB LPDDR5-6000 memory; 0...+60°C.	MSC C6C-RLP-1365UE-3N301C PCBFTX	OR
114282	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i5-1345UE 10C/12T, vPro, 1.4GHz, 15/12W cTDP; Graphics: Intel® Iris® Xe 80 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 2x SATA, 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 6x; 16GB LPDDR5-6000 memory; 0...+60°C.	MSC C6C-RLP-1345UE-4N331C PCBFTX	PV
98007	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i5-1345UE 10C/12T, vPro, 1.4GHz, 15/12W cTDP; Graphics: Intel® Iris® Xe 80 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 8x; 16GB LPDDR5-6000 memory; 0...+60°C.	MSC C6C-RLP-1345UE-4N301C PCBFTX	OR

\*COM products are divided in two categories, „PV“ (preferred variant) and „OR“ (on request).

## Order Reference - MSC C6C-RLP

Order Number	Description	Reference	Cat*
98003	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i5-1335UE 10C/12T, 1.3GHz, 15/12W cTDP; Graphics: Intel® Iris® Xe 80 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 8x; 8GB LPDDR5-6000 memory; 0...+60°C.	MSC C6C-RLP-1335UE-3N301C PCBFTX	OR
97991	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i3-1315UE 6C/8T, 1.2GHz, 15/12W cTDP; Graphics: Intel® UHD 64 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 8x; 8GB LPDDR5-5200 memory; 0...+60°C.	MSC C6C-RLP-1315UE-3N301C PCBFTX	OR
98035	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel Processor U300E 5C/6T, 1.1GHz, 15/12W cTDP; Graphics: Intel® UHD 48 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-LM Gbit, TSN; HD audio; TPM 2.0; 2x SATA, 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 6x; 8GB LPDDR5-5200 memory; 0...+60°C.	MSC C6C-RLP-U300E-3N331C PCBFTX	OR
98033	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i7-13800HRE 14C/20T, vPro, 1.8GHz, 35W cTDP; Graphics: Intel® Iris® Xe 96 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-IT Gbit, TSN; HD audio; TPM 2.0; 1TB NVMe; 4x USB3, 8x USB2, PEG x8 Gen 4, PCIe Gen 4 1x4, PCIe Gen 3 8x; 16GB LPDDR5-6000 memory; -40...+85°C, recommended for 24/7 operation.	MSC C6C-RLP-13800HRE-4A3011 PCBFTX	OR
98019	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i5-13600HRE 12C/16T, vPro, 1.9GHz, 35W cTDP; Graphics: Intel® Iris® Xe 80 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-IT Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PEG x8 Gen 4, PCIe Gen 4 2x4, PCIe Gen 3 8x; 16GB LPDDR5-6000 memory; -40...+85°C, recommended for 24/7 operation.	MSC C6C-RLP-13600HRE-4N3011 PCBFTX	OR
98001	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i3-13300HRE 8C/12T, 1.2GHz, 35W cTDP; Graphics: Intel® UHD 48 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-IT Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PEG x8 Gen 4, PCIe Gen 4 2x4, PCIe Gen 3 8x; 8GB LPDDR5-6000 memory; -40...+85°C, recommended for 24/7 operation.	MSC C6C-RLP-13300HRE-3N3011 PCBFTX	OR

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## Order Reference - MSC C6C-RLP

Order Number	Description	Reference	Cat*
98027	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i7-1370PRE 14C/20T, vPro, 1.9GHz, 28/20W cTDP; Graphics: Intel® Iris® Xe 96 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-IT Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 8x; 16GB LPDDR5-6000 memory; -40...+85°C, recommended for 24/7 operation.	MSC C6C-RLP-1370PRE-4N301I PCBFTX	OR
98013	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i5-1350PRE 12C/16T, vPro, 1.8GHz, 28/20W cTDP; Graphics: Intel® Iris® Xe 80 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-IT Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 8x; 16GB LPDDR5-6000 memory; -40...+85°C, recommended for 24/7 operation.	MSC C6C-RLP-1350PRE-4N301I PCBFTX	PV
97997	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i3-1320PRE 8C/12T, 1.7GHz, 28/20W cTDP; Graphics: Intel® UHD 48 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-IT Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 8x; 8GB LPDDR5-6000 memory; -40...+85°C, recommended for 24/7 operation.	MSC C6C-RLP-1320PRE-3N301I PCBFTX	OR
98023	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i7-1365URE 10C/12T, vPro, 1.7GHz, 15/12W cTDP; Graphics: Intel® Iris® Xe 96 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-IT Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 8x; 8GB LPDDR5-6000 memory; -40...+85°C, recommended for 24/7 operation.	MSC C6C-RLP-1365URE-3N301I PCBFTX	OR
98009	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i5-1345URE 10C/12T, vPro, 1.4GHz, 15/12W cTDP; Graphics: Intel® Iris® Xe 80 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-IT Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PCIe Gen 4 2x4, PCIe Gen 3 8x; 8GB LPDDR5-6000 memory; -40...+85°C, recommended for 24/7 operation.	MSC C6C-RLP-1345URE-3N301I PCBFTX	PV
97993	COM Express Type 6 Compact module (95mm x 95mm); CPU: Intel i3-1315URE 6C/8T, 1.2GHz, 15/12W cTDP; Graphics: Intel® UHD 64 EUs; 3x DP/HDMI; 1x LVDS; 1x eDP; Ethernet: Intel i226-IT Gbit, TSN; HD audio; TPM 2.0; 4x USB3, 8x USB2, PCIe Gen 2x4, PCIe Gen 3 8x; 8GB LPDDR5-5200 memory; -40...+85°C, recommended for 24/7 operation.	MSC C6C-RLP-1315URE-3N301I PCBFTX	PV

\*COM products are divided in two categories, „PV“ (preferred variant) and „OR“ (on request).



## Accessories

Order Number	Description	Reference
<b>Cooling Options</b>		
96413	Passive Heatsink for C6C-ALP and C6C-RLP consisting of a single-piece aluminum profile with fins, standoffs without thread (2.7mm inner diameter), screws and thermopads for the thermal contact to major devices.	MSC C6C-ALP-01 HSI-001
96414	Passive Heatsink / heat pipe for C6C-ALP and C6C-RLP consisting of a single-piece aluminum profile with fins and embedded heatpipe, standoffs without thread (2.7mm inner diameter), screws and thermopads for the thermal contact to major devices.	MSC C6C-ALP-01 HSI-HP-001
96415	Heatspreader for C6C-ALP and C6C-RLP. Single-piece aluminum profile, standoffs without thread (2.7mm inner diameter), screws and thermopads for the thermal contact to major devices.	MSC C6C-ALP-01 HSP-001
96416	Heatspreader / heat pipe for C6C-ALP and C6C-RLP. Single-piece aluminum profile with embedded heat pipe, standoffs without thread (2.7mm inner diameter), screws and thermopad for the thermal contact to major devices.	MSC C6C-ALP-01 HSP-HP-001
96417	Heatspreader for C6C-ALP and C6C-RLP. Single-piece aluminum profile, standoffs with M2.5 thread, screws and thermopads for the thermal contact to major devices.	MSC C6C-ALP-02 HSP-001
79809	Fan kit for Heatsink MSC HCA-ALP/RLP-0x HSI-xxx, MSC C6B-ALP/RLP-0x HSI-xxx, MSC C6B-TLH-0x HSI-xxx, MSC C6C-ALP/RLP-0x HSI-xxx, MSC C6C-TLU-0x HSI-xxx, MSC C6C-WLU-0x HSI-xxx, MSC C6C-ALN/ASL-0x HSI-xxx, MSC C6C-EL-0x HSI-xxx, MSC C6C-RYZx-0x HSI-xxx, PWM fan 80x80x15mm.	MSC C6C-FANKIT-01-HSF-001

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