COM-HPC Server

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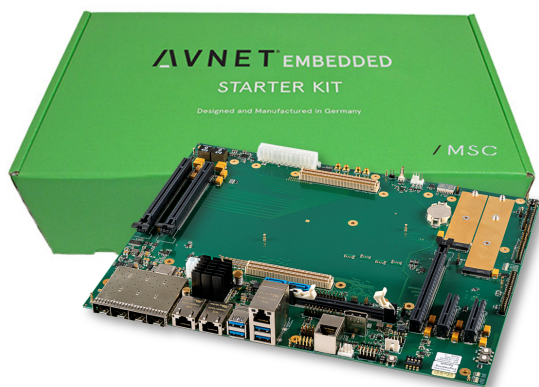## MSC HS-SK-ILDL-EV-KIT001

COM-HPC Server Starterkit for Xeon D-1700 based Modules

Description

The MSC HS-SK-ILDL-EV-KIT001 is a ready-to-run Starter Kit for COM-HPC Server modules based on the Intel® Xeon® D-1700 Processor. It is ideally suited for evaluation purposes, for software development and for prototyping of COM-HPC Server applications.

It contains the MSC HS-MB-EV baseboard in ATX form factor providing the interface infrastructure for COM-HPC Server modules with various IO connectors for external access. In addition the Starter Kit comes with the suitable heatsink with fan for MSC HSD-ILDL modules and 2x DDR4 memory modules.

The MSC HS-SK-ILDL-EV-KIT001 does not contain the COM-HPC module thereby leaving the choice of module variant to the user. The suitable MSC HSD-ILDL module should be ordered along with the Starter Kit.

⤢	305 x 244
♨	N.A.
🌡	0 +60

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Highlights

- Starterkit for COM-HPC® Server modules with Intel® Xeon® D-1700 Processor
- Heatsink with fan for MSC HSD-ILDL modules
- 2x 8GB DDR4 registered DIMM
- ATX format baseboard for COM-HPC Server modules with size D or E
- Power supply, cables, mounting material
- One PCI Express x16 slots
- Two PCI Express x8 slots
- Two PCI Express x4 slots
- Two M.2 slots with PCIe x4
- All PCIe slots support up to Gen 4
- Four SFP28 card cages for up to 25G Ethernet per port
- Two 10GBASE-T connectors
- One 1000BASE-T / 2.5GBASE-T connector
- Two SATA connectors, up to 6Gbps
- Four USB 3.2 Gen 1 (5Gbps)
- 2x UART ports
- Connector with 12 GPIO ports
- POST code LED display
- COM-HPC specific interfaces*
  *Support depending on COM Express module used
- Size 305 mm x 244 mm

COM-HPC Server

Technical Data - MSC HS-SK-ILDL-EV-KIT001

Technology	x86
Formfactor	ATX
RAM	2x 8GB DDR4 registered DIMM
Storage Interfaces	2x SATA connectors, up to 6Gbps, available on board connector 1x M.2-Slot (Key ID M), type 2242/2280, PCIe x4 Gen 3/4, associated with COM-HPC PCIe[4:7] 1x M.2-Slot (Key ID M), type 2242/2280/22110, PCIe x4 Gen 3/4, associated with COM-HPC PCIe[8:11] Feature availability depending on installed module type. Please consult the product documentation for details.
USB	4x USB 3.2 Gen 1 (5Gbps), on I/O shield, associated with COM-HPC USB[0:3] & USB[0:3]_SSTX/RX 4x USB 2.0 associated with COM-HPC USB[4:7] available on pin-header Feature availability depending on installed module type. Please consult the product documentation for details.
Serial Interfaces	2x serial port on pin header Feature availability depending on installed module type. Please consult the product documentation for details.
Bus Interfaces	1x PCI Express x4 slot, Gen 3/4, associated with COM-HPC PCIe[0:3] 1x PCI Express x4 slot, Gen 3/4, associated with COM-HPC PCIe[12:15] 1x PCI Express x8 on x16 slot, Gen 3/4, associated with COM-HPC PCIe[16:23] 1x PCI Express x8 on x16 slot, Gen 3/4, associated with COM-HPC PCIe[24:31] 1x PCI Express x16 slot, Gen 3/4, associated with COM-HPC PCIe[32:47] Feature availability depending on installed module type. Please consult the product documentation for details.
Network Interface	4x SFP28 cages for up to 25G Ethernet per port, from on-board Intel® Ethernet Connection C827-IM1, associated with COM-HPC ETH[0:3] 2x 10GBASE-T connectors, from on-board Intel® Ethernet Connection X557-AT4, associated with COM-HPC ETH[4:5] 1x 1000BASE-T / 2.5GBASE-T connector, from module, associated with COM-HPC NBASET0 Feature availability depending on installed module type. Please consult the product documentation for details.
Miscellaneous	POST code display COM-HPC GPIO_[00:11] on pin header 4-pin fan connector PWM controlled RTC battery, CR2032 Power supply, cables, mounting materials
Environment	Ambient Temperature: 0° … +60°C
Dimensions	305 x 244
Cooling	Heatsink with fan

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Order Reference - MSC HS-SK-ILDL-EV-KIT001

Order Number	Description	Reference	Cat
97526	Starter kit for COM-HPC Server modules with Intel Xeon D-1700 processor. Consists of the MSC HS-MB-EV ATX platform board, heat sink with fan, two 8GB memory modules, mounting material and power supply with cable kit.	MSC HS-SK-ILDL-EV-KIT001 BRDFTX	PV

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