

Order Reference - MSC SM2S-IMX6

Order Number	Description	Reference	Cat*
71242	SMARC module based on NXP i.MX 6DualLite Dual-Core Cortex-A9 processor at 1GHz, 1GB DDR3 soldered, integrated Graphics, HDMI max. 1920x1080, dual-channel LVDS, Ethernet controller (10/100/1000Base-T), 8GB eMMC Flash, micro SD socket, no SATA, 1x PCIe, 1x USB2.0 Host, 1x USB2.0 Host/Client, I2S Audio, MIPI CSI-2 Camera input; commercial temperature 0...+70°C	MSC SM2S-IMX6-03A PCBFTX	PV
71668	SMARC module based on NXP i.MX 6DualLite Dual-Core Cortex-A9 processor at 1GHz, 512MB DDR3 soldered, integrated Graphics, HDMI max. 1920x1080, dual-channel LVDS, Ethernet controller (10/100/1000Base-T), 8GB eMMC Flash, no micro SD socket, no SATA, 1x PCIe, 1x USB2.0 Host, 1x USB2.Host/Client, I2S Audio, MIPI CSI-2 Camera input; extended temperature -20...+85°C	MSC SM2S-IMX6-238 PCBFTX	PV
78697	SMARC module based on NXP i.MX 6DualLite Dual-Core Cortex-A9 processor at 1GHz, 1GB DDR3 soldered, integrated Graphics, HDMI max. 1920x1080, dual-channel LVDS, Ethernet controller (10/100/1000Base-T), 8GB eMMC Flash, micro SD socket, no SATA, 1x PCIe, 4x USB2.0 Host, 1x USB2.Host/Client, I2S Audio, MIPI CSI-2 Camera input; extended temperature -20...+85°C	MSC SM2S-IMX6-232 PCBFTX	PV
82623	SMARC module based on NXP i.MX 6Solo Single-Core Cortex-A9 processor at 800MHz, 1GB DDR3 soldered, integrated Graphics, HDMI max. 1920x1080, dual-channel LVDS, Ethernet controller (10/100/1000Base-T), 8GB eMMC Flash, no SD socket, no SATA, 1x PCIe, 1x USB2.0 Host, 1x USB2.Host/Client, I2S Audio, MIPI CSI-2 Camera input; industrial temperature -40...+85°C	MSC SM2S-IMX6-118 PCBFTX	PV
93551	SMARC module based on NXP i.MX 6Solo Single-Core Cortex-A9 processor at 1GHz, 1GB DDR3 soldered, integrated Graphics, HDMI max. 1920x1080, dual-channel LVDS, Ethernet controller (10/100/1000Base-T), 8GB eMMC Flash, micro SD socket, no SATA, 1x PCIe, 4x USB2.0 Host, 1x USB2.Host/Client, I2S Audio, MIPI CSI-2 Camera input; commercial temperature 0...+70°C	MSC SM2S-IMX6-012 PCBFTX	PV
94553	SMARC module based on NXP i.MX 6DualLite Dual-Core Cortex-A9 processor at 1GHz, 1GB DDR3 soldered, integrated Graphics, HDMI max. 1920x1080, dual-channel LVDS, no Ethernet, 8GB eMMC Flash, micro SD socket, no SATA, 1x PCIe, 1x USB2.0 Host, 1x USB2.0 Host/Client, I2S Audio, MIPI CSI-2 Camera input; commercial temperature 0...+70°C	MSC SM2S-IMX6-03E PCBFTX	PV

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

Accessories

Order Number	Description	Reference
Carrier Options		
68488	SMARC 2.0 Embedded Platform with PCI Express x4 slot, GbE, SATA, USB 3.0, USB 2.0, USB 2.0 OTG, RS232, CAN, SPI, eSPI, SMBus, I2C and GPIO interface, LVDS/eDP, DisplayPort and HDMI display interface, regulated backlight supply, HD/I2S audio interface, MIPI CSI-2 camera interface, mini PCI Express card slot, SD card slot, fan connector, CMOS battery, Mini-ITX form factor (170 x 170 mm), ATX power connector and single 12V/24V power jack, commercial temperature range 0..+70°C	MSC SM2-MB-EP1-001 PCBFTX
83977	SMARC 2.x compatible embedded platform (146 x 80mm), 10-36V input voltage, 3x RS232, 2x CAN, dual RJ45 LAN with LED (1 x LAN i210) , 1x M.2 2280 Key M slot, mPCIe slot, 1x USB 3.0 Type A, 1x USB 2.0 Type A, 1x USB 2.0 internal, 1x USB 2.0 Host/Device, 2x SPI, I ² C, 8 GPIO on FC, 1x HDMI, LVDS/eDP/DSI on JILI30 connector, SD Card Slot, regulated backlight supply, I2S Audio, 1W Mono, camera connector, RTC battery. Industrial temperature range -40..+85°C, Arm full version	MSC SM2S-MB-EP5-002 PCBFTX
83981	SMARC 2.x compatible embedded platform (146 x 80mm), 10-36V input voltage, 2x UART, 1x RS232, 2x CAN, 1x RJ45 LAN with LED, 1x USB 2.0 Type A, 1x USB3.0 Type A, 1x USB 2.0 internal, 1x USB 2.0 Host/Device, 2x SPI, 12 GPIO on FC, 1x HDMI , SD Card Slot, LVDS/eDP/DSI on JILI30 connector, regulated backlight supply, RTC battery. Industrial temperature range -40..+85°C, Arm slim version	MSC SM2S-MB-EP5-004 PCBFTX
Cooling Options		
1133175	Heat spreader for SM2S-IMX6 module with flip-chip processor package (all single-core & dual-lite versions, all standard temperature versions)	MSC SM2S-IMX6-01 HSP-001
1133176	Heat spreader for SM2S-IMX6 module with lidded processor package (extended temperature versions of dual- and quad-core only)	MSC SM2S-IMX6-02 HSP-001
Other Accessories		
82479	Debug Console (UART) Adapter for i.MX6-based Qseven and nanoRISC modules, with 8-pin FFC cable to connect COM module to 9-pin D-Sub connector	MSC Debug Console Adapter
68948	Debug Adapter for i.MX6-based Qseven, SMARC and nanoRISC modules, with 10-pin FFC cable to connect to COM module, adapter provides headers for JTAG connection to Lauterbach and/or Goepel debuggers	MSC JTAG Adapter FFC 10-pin
Starter Kits		
68994	Starter Kit for MSC SM2S-IMX6 modules. Includes MSC SM2-MB-EP1 Baseboard, Heatspreader, SD Card with Linux installation and Power Supply. The StarterKit does not include the MSC SM2S-IMX6 module. Please order your choice of MSC SM2S-IMX6-XYZ module separately.	MSC SM2-SK-IMX6-EP1-KIT001 BRDFTX

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