

microX[®] server XS10

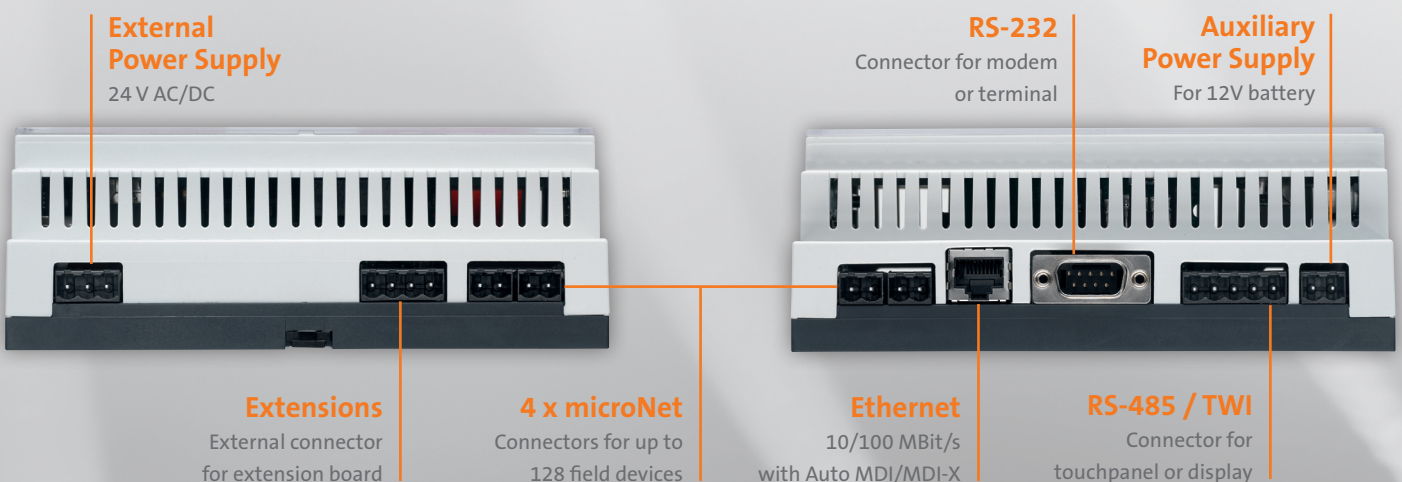


- » Low-cost, high-performant controller with embedded Linux as OS
- » Maximum flexibility with microX[®]platform Version 2
- » Fully integrated CoDeSys V3 plus extentions for Building Automation
- » 4 interfaces for the low-cost microNet device bus
- » Easy plug-in programming with the microX[®]platform SDK

The microX[®]server XS10 is the flexible, general purpose and cost efficient workhorse of the microX[®]server family. It is based on GNU/Linux running on an ARM9 processor. It has been designed to support up to 128 devices through its four microNet channels. Due to the versatile interoperable microX[®] concept the XS10 may run control applications that require a rigorous deterministic behavior in some devices, e.g. in a stepping motor or in an automatic door or support event driven characteristics like in a smoke alarm sensor.

Due to the choice of Linux as Operating System the XS10 convinces as a reliable and very efficient system regarding all recources like CPU, RAM and Flash. Beyond the limits of other controllers the openness of Linux in combination with the internal extention slot make the XS10 an ideal platform for OEM specific needs and individual extentions.

Typical CS10 applications range from zone control in an office building to public lighting with LED control, saving energy and public expenses.



connected to your ideas.

Technical specifications

Operating system	Embedded GNU/Linux (Kernel 2.6.28)
Basic software	microX [®] platform 2
Processor	ARM9 with MMU / 180MHz
Memory	64 MByte SDRAM / 32 MByte FlashDisk
Memory extension	SD/MMC-Slot (optional)
Ethernet	10/100 BaseT RJ45
Interfaces	4 x microNet (up to 128 devices) RS232 RS485 / TWI (alternative)
Power Supply	24V AC/DC
Operating temperature	0°C ... 50°C
Dimensions (B x H x T)	157 x 86 x 58 mm (61.8 x 33.9 x 22.9 in.)
Other	DIN-rail mounting (9TE)

Supported microX[®] plug-ins

Field connectivity	microNet	Driver plug-in for microNet device bus
	Modbus	Driver for Modbus/RTU and Modbus/TCP
Automation	CoDeSys	Runtime for executing control applications
	CoDeSys/BA	With extensions for Building Automation
	Datalogger	Recording of time sequences of data channels
	Alarmmanager	Logging and transmitting of alarms by email
Web connectivity	Webservice	Access of all data and configuration information by OBIX
	BACnet	BACnet/IP interface (ISO standard 16484-5)

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