



>> **MEP® ServiceBox**
Machine Data Monitoring

Remote Control

Condition monitoring, data transfer and remote control as a flexible embedded system for machines, equipment and technical systems enable the products of the MEP® series. They allow the preventive maintenance and in case of failure a simple, fast and problem-solving remote access via secure Internet connection.

Deployment Scenarios for the MEP® ServiceBox

- > IP connection to the system (LAN interface)
- > IP connection to the Internet (remote service interface)
- > Construction of the OpenVPN connection
- > Construction of the connection through various communication options (DSL, LAN with and without active proxy, modem, ISDN, UMTS, ...)
- > Assigning an IP address from the global service network to the local IP address
- > Storage and collection of traffic data

As central Component of Remote Service Architectures: VPN Routers, Data Recorder

- > Data collection of controls, sensors and other devices
- > Allocation of time stamps for each measurand
- > Selectable ring buffer
- > Various interfaces (com, LAN, DIO, A/D converter)
- > Data forwarding to central systems (MES, PPS, ERP, service management)

Type*	MEP® ServiceBox small	MEP® ServiceBox large
Power:	24V DC	24V DC
Processor:	INTEL ATOM N270 1,6 GHz	AMD GX466 333 MHz o. INTEL ATOM N270 1,6 GHz
Graphic:	onboard	onboard
Memory:	256 MB bis 1 GB	1 GB – 3 GB
Mass Storage:	1 GB CF – 16 GB	1 GB – 128 GB CF oder 2,5" HDD/SSD
Box:		
Width:	60 mm	60 mm
Length:	110 mm	110 mm
Height:	110 mm	205 mm
Connections:	LAN: 2x USB: 2x VGA: 1x COM: 1x PS/2: 1x	LAN: 2x USB: 2x VGA: 1x COM: 1x Extensions available (CAN, fieldbus expansion plug, I/O ...)
Cabling:	2 PIN TerminalBlock for voltage supply	3 PIN TerminalBlock for voltage supply
Power Switch:	On/Off	On/Off
Button:	Reset Dial	Reset Dial
Assembly:	35mm H-rail	35mm H-rail
Temperature Range:	0 – 50°C	0 – 50°C
Operating System:	LINUX	LINUX/WIN XP Prof.
Software:	MEP®CC OpenVPN	MEP®CC OpenVPN MEP®DataRecorder
Status LED:	Power CF-activity Dial/Connect	Power CF-activity Dial/Connect
Certificates:	CE/EMV	CE/EMV

* Customized configurations available



>> Function

The MEP®ServiceBox is an embedded industrial PC, which is available with different package sizes and performance levels. It can be extended individually to various interfaces. Possible connections are PROFIBus, CAN, Interbus, Modbus, analog and digital I/O ports, among others. In addition, the larger version also allows the installation of 2.5" HDDs or SSDs for bigger storage capacities.

The MEP®ServiceBox versions are also available without software. This invites you to use your own applications and operating systems.

Also available for an extended temperature range from -20°C to 70°C.

We provide these IPCs with your personal branding, if requested.



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