Industrial Terminals
MES9000 series
Versatile and robust terminals for manufacturing envirnonments

NEW

Industrial Terminals **Modern HMI for Manufacturing Execution Systems (MES)**

The new industrial terminal series MES9000 is the ideal HMI solution for numerous applications in the manufacturing environment. Whether for the manual collection of operating/order data via multi-touch full-HD display or for the automatic acquisition of machine and process data via a large number of interfaces and transmission protocols - the step towards transparent digitized manufacturing has never been easier. Thanks to strong performance, even demanding software applications can be executed smoothly.

Industrial Terminals MES9000 series

HIGHLIGHTS

→ **Elegant, high-quality design in three inch sizes**
→ **Connection via VESA100 or support arm**
→ **Available with integrated DC or AC power supply unit**
→ **IP65 accessory kit for an allround protected housing**

Wide range of applications **For a modern manufacturing**
• Mounting on machines or plants for visualisation & operation
• Machine/operating data acquisition with user-friendly multi touch screen and numerous interfaces
• Paperless manufacturing for more efficient production processes
• Can also be used in harsh manufacturing environments thanks to all-round water- and dust-proof housing and robust front panel

Connectivity **For individual requirements**
• Hilscher netJack module: tool-less integration of various fieldbus and real-time ethernet protocols

• RFID reader behind the glass front: acquisition of personnel data as well as attendance and working time
• Integrated Wi-Fi antennas: connection to the production network even in areas without ethernet connection

Strong performance **For stringent requirements**
• Latest 8th-generation Intel® Celeron® and Intel® Core™ processors (Whiskey Lake)
• Fast memory with up to 32 GB DDR4 RAM
• Up to 512 GB Flash SSD mass storage, optionally configurable as RAID

Big-LinX® IIoT Client **Secure connection for servicing**
• VPN tunnel secured via smartcard (optional software certificate available)
• Includes X-Remote for secure image transmission
• Configurable and secure data push for provision and visualisation of remote maintenance or other big data applications
• Keeps software, firmware and BIOS always up-to-date on your devices

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Więcej informacji: www.kreski.pl

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Industrial IT

MES9000 series

Technical Data

		MES9016	MES9019	MES9024
Display	Resolution	15,6" TFT Full HD	18,5" TFT Full HD	23,8" TFT Full HD
	Brightness	450 Nits (typ.)	500 Nits (typ.)	250 Nits (typ.)
	Contrast ratio	800:1 (typ.)	1000:1 (typ.)	1000:1 (typ.)
	Displayable colors	max. 16,2 Mio.	max. 16,7 Mio.	max. 16,7 Mio.
Touch		PCAP multi-touch (glove-operated)		
Housing		Die-cast aluminum housing, powder coated		
Cooling		Passive cooling, fanless		
Processor		Intel® Celeron® 4305UE 2,0 GHz dual-core Intel® Core™ i5-8365UE 1,6 GHz quad-core		
RAM		Up to 32 GB DDR4 RAM		
Mass storage		1 x 128 GB M.2 SSD 1 x 256 GB M.2 SSD 2 x 128 GB M.2 SSD, configurable as RAID 2 x 256 GB M.2 SSD, configurable as RAID		
Interfaces		4 x USB 3.1 Gen. 2 3 x Ethernet (10/100/1000 Mbit/s) 1 x DisplayPort++ (1.2) 1 x Smartcard-Reader for ADS-TEC Big-LinX®		
Optional interfaces		1 x Hilscher netJACK-Slot for fieldbusintegration[1] 1 x HDBaseT interface (transmitter) 1 x USB in the front 1 x integrated antenna for Wi-Fi-/Bluetooth module 1 x integrated antenna in the front for RFID module		
Button		1 capacitive ON/OFF button on the front side		
Supply socket & digital I/Os		24 V DC version: 1 x 5-pol. supply with 1 x dig. IN / 1 x dig. OUT 230 V AC version: 1 x 2-pol. supply / 1 x 2-pol. digital IN		
Power supply (integrated power adapter)		24 V DC +/- 20 % 230 V AC		
Operating system		Windows 10 IoT Enterprise 2021 LTSC IGEL Linux		
Fixing		VESA100 sockets in back housing Optional: support arm adapter for mounting on the back housing		
Protection class		IP65 (front) IP65 (back side when using IP65 kit, which can be ordered separately, or when using the mounting arm adapter)		
Operating temperature		0 °C to +40 °C	0 °C to +40 °C	0 °C to +40 °C
Dimensions in mm (W x H x D)		400 x 270 x 80 mm	465 x 310 x 80 mm	575 x 370 x 80 mm
Weight (without supplies)		approx. 5,0 kg	approx. 6,0 kg	approx. 8,0 kg

1 Profibus, CANopen, DeviceNET, CC-Link, EtherCAT, EtherNet/IP, Modbus, POWERLINK, PROFINET, VARAN, Sercos

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