JetControl 970MC | 975MC
The high-performance industrial controller

Short description

The high-performance controller JetControl 970MC | 975MC is most suitable for applications requiring highest computing power, comprehensive motion control and PC functions.

Control and visualization combined in one device reduce the number of components in the control cabinet. Hypervisor technology keeps the applied operating systems strictly separated. The NVRAM + FLASH memory for non-volatile data is a standard feature. This means there is no extra cost for additional flash cards.

Features

- Intel® i5 processor, dual-core
- Windows + hard realtime combined in a single piece of hardware
- Highest stability thanks to Hypervisor technology
- EtherCAT® (JetControl 975MC)
- 2x PCIexpress (JC-970 only)
- USB
- 2 Ethernet ports
- SD card
- DisplayPort™
- AutoCopy function

Options

- 2x JI-PCIE-Exx (JC-970MC only)

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Technical Data

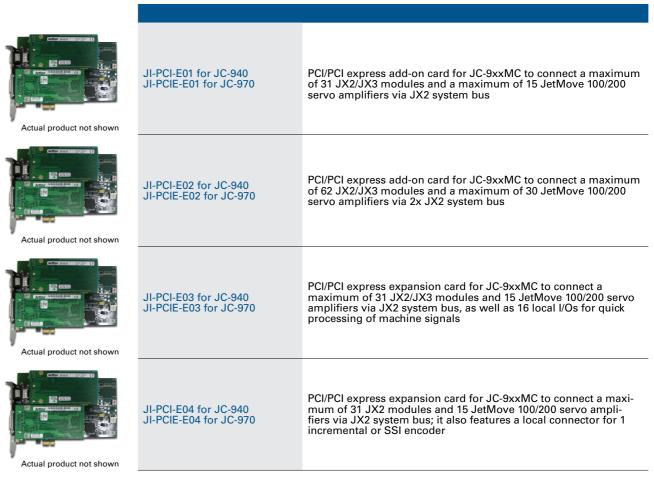| | JetControl 970MC | 975MC |
|---|---|
| Processor | Intel® i5 Dual Core™ 1.6 GHz |
| Non-volatile memory (NVRAM) | 480,000 bytes (120,000 registers) |
| STX program/data memory (SDRAM) | 64 MB |
| Flash disk | 32 MB |
| Local expansion modules | 2x (JI-PCIE-xxx via PCI Express) |
| Number of axes (PtP) | 64 |
| Number of axes (MCX) (Motion Control/path control) | 64 |
| Interfaces for use by JetControl | 1x Ethernet TCP/IP
1x USB 2.0 (for storage media)
1x EtherCAT® (JetControl 975MC) |
| Interfaces for use by Windows® | 1x Ethernet TCP/IP
2x USB 3.0
1 RS-232 port
1x DisplayPort™
1x SD card slot |
| Expandability | JX3 (BN-ETH, BN-EC (JC-975MC)), JI-PCIE;
JM-1000/3000 (JC-975MC),
JM-100/200 (JC-970MC) |
| Realtime clock | Yes |
| Web server, e-mail feature | Yes |
| Modbus TCP | Yes |
| Rated input voltage | DC 24 V (-15 ... +20%) |
| Input current | 5 A @ DC 24 V max. |
| Physical dimensions (H x D x W) | 310 x 210 x 155 mm |
| Degree of protection | IP20 |
| Operating temperature | 0 ... +50 °C |
| Storage temperature | -40 ... +70 °C |
| Air humidity | 5 ... 95 % (non-condensing) |

Further details and order information are available on request. Specifications are subject to change without notice. Errors and omissions excepted.

Ordering information

10000741 - JC-970MC
10001699 - JC-975MC

Accessories

Actual product not shown

Actual product not shown

Actual product not shown

Actual product not shown

	JI-PCI-E01 for JC-940 JI-PCIE-E01 for JC-970	PCI/PCI express add-on card for JC-9xxMC to connect a maximum of 31 JX2/JX3 modules and a maximum of 15 JetMove 100/200 servo amplifiers via JX2 system bus
	JI-PCI-E02 for JC-940 JI-PCIE-E02 for JC-970	PCI/PCI express add-on card for JC-9xxMC to connect a maximum of 62 JX2/JX3 modules and a maximum of 30 JetMove 100/200 servo amplifiers via 2x JX2 system bus
	JI-PCI-E03 for JC-940 JI-PCIE-E03 for JC-970	PCI/PCI express expansion card for JC-9xxMC to connect a maximum of 31 JX2/JX3 modules and 15 JetMove 100/200 servo amplifiers via JX2 system bus, as well as 16 local I/Os for quick processing of machine signals
	JI-PCI-E04 for JC-940 JI-PCIE-E04 for JC-970	PCI/PCI express expansion card for JC-9xxMC to connect a maximum of 31 JX2 modules and 15 JetMove 100/200 servo amplifiers via JX2 system bus; it also features a local connector for 1 incremental or SSI encoder

Further details and order information are available on request.

Ordering information

JI PCI cards for JC-940*
10001055 JI-PCI-E01
10001056 JI-PCI-E02
10001057 JI-PCI-E03
10001358 JI-PCI-E04

JI-PCIexpress cards for JC-970*
10001522 - JI-PCIE-E01
10001523 - JI-PCIE-E02
10001524 - JI-PCIE-E03
10001525 - JI-PCIE-E04

*JI-PCI/PCIE cards must be installed at the factory.