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RIO700 Remote I/O

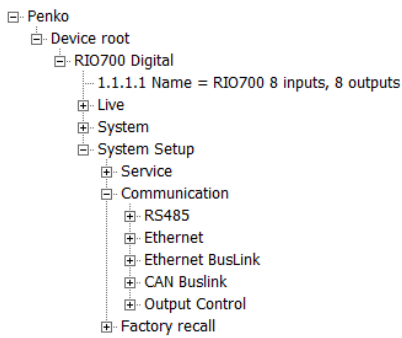Your Partner For Fully Engineered Factory Solutions

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RIO700 Characteristics

The RIO700 is a remote I/O extension for the FLEX. It offers an additional 8DI and 8DO. Without any software changes, the FLEX I/O can be mapped to the RIO700 I/O. The display shows the live inputs and outputs status. If connections fails, the display shows an error and the outputs will be switched off. The RIO is easy dinrail mountable, and can be used single or as a buslink system. Up to 40 RIOs can be coupled into one buslink system. Configuration of the device can be done from behind your desk using PENKO's freeware PI Mach II Manage.

Figure 1: example of PI Mach II Manage for the RIO700.

RIO700 Dimensions

Top view

Side view
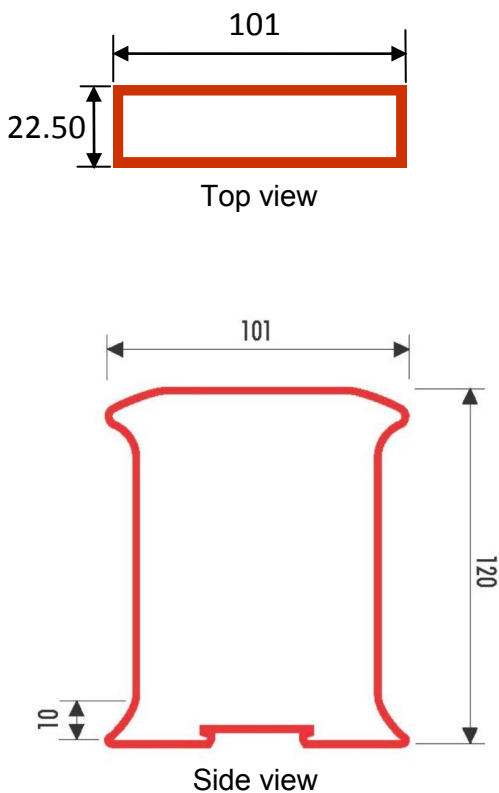
RIO700 Specifications

Type	RIO700
Power supply	18-32 Vdc (24 V type); 2,5W max.
Display size	6 digits x 7 segment LED red
Display functions configuration	Ethernet, CAN, Localbus
Display functions live	Display input and outputs on 7 segment display
Buttons	3
Inputs, 24 V	8 optical isolated 2 common, 18-28 Vdc, PNP or NPN
Outputs, 24 V	8 isolated PhotoMOS 1 common max. 35 Vdc or AC, 0.5A nominal, 1A Surge (thermal fuse 0,5A), PNP or NPN
I/O read	Read inputs by CAN, Ethernet
I/O write	Write outputs by CAN, Ethernet
MIB	Full MIB support by USB interface
Communication RS485	Non isolated Local Bus protocol
Ethernet	TCP/IP UDP layer with PENKO TP protocol
USB	Device MIB configuration
CANBUS	Isolated port for Buslink protocol
Operating temperature	-10°C to +40°C [14°F to 104°F]
Storage temperature	-20°C to +70°C [-4°F to 158°F]
Relative Humidity	40-90% non condensing
Protection class	IP20
Weight	160g
Approvals	Industrial CE