

Catalogue No: 2080-LC70-24QBB

M870 14DI 10DO SOURCE ENET I/P 24V DC

Automation Systems > Micro Programmable Controllers and Smart Relays > Micro PLCs > Allen-Bradley® Micro820®, Micro830®, Micro850® and Micro870® Controllers > Micro870® Controllers



Representative Photo Only
(actual product may vary based on configuration selections)

Micro870 EtherNet/IP Controller, 14 Digital Input - 24V DC/AC, 10 Digital Output Source, 24V DC Input Power, Up to 4 HSC Channels, Embedded USB Programming Port, Ethernet Port and Non-Isolated RS232/485 Serial Port, 3 Plug-In Ports

- High memory capability, with 280KB of memory with support for up to 128KB user data and up to 20,000 program steps
- Excellent expansion capabilities; eight expansion modules and three plug in modules provide for up to 304 digital I/O points and other speciality I/O requirements
- Inbuilt 100kHz high speed counter inputs on 24V DC models allow for communication with fast switching devices
- Embedded communications capabilities through inbuilt USB programming port, non-isolated serial port, and Ethernet port
- Integrated motion capabilities through support of up to two axes via Pulse Train Output
- Seamless communication, control, and programming of connected devices through Ethernet/IP

SPECIFICATIONS

Product Series	Micro870 (Bul. 2080-LC70)
Component Type PLC & I/O	Controller with onboard I/O
Unom, Supply Voltage, DC, Nom	24 V DC
Memory, Data	40 kB memory
Quantity, Total Input	14 qty
Quantity, Digital Input	6 qty
Type, Digital Input	24V DC Snk/Src type
Quantity, Fast Digital Input, Shared	8 qty, shared
Type, Fast Digital Input, Shared	24V DC Snk/Src type, shared
Quantity, High Speed Counter Input, Shared	4 qty, shared
Type, High Speed Counter Input, Shared	2-wire HSC type, shared
Quantity, Total Output	10 qty
Quantity, Digital Output	8 qty
Type, Digital Output	24V DC Source type
Quantity, Fast Digital Output, Shared	2 qty, shared
Type, Fast Digital Output, Shared	24V DC Source type, shared
Quantity, Pulse Train / Pulse Width Modulated Output, Shared	2 qty, shared
Type, Pulse Train / Pulse Width Modulated Output, Shared	PTO/PWM type, shared
Number of Digital Inputs	14 qty
Number of High Speed Counter Inputs, Max	4 max
Digital Input Type	24V DC Sinking/Sourcing type 24V AC
Number of Digital Outputs	10 qty
Digital Output Type	24V DC Sourcing (NPN) type

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Communications Ports (On Board)	RJ-45 RS232 RS485 USB 2.0
Communications Protocols	ASCII RS-232 RJ45 RS-485 EtherNet/IP EtherNet/OCPP CIP Modbus-RTU
Real Time Clock	Via Plug-In
Display Type	Optional 1.5" Plug-in Display
Base Unit Plug-In Slots	3 Plug-in slots
Number of Plug-in Slots	3 qty
Number of Local Expansion Modules	4 qty local
Maximum Digital I/O	304
Software, Configuration	Connected Components Workbench
Operating Temperature, Max	65 °C max
Operating Temperature, Min	-20 °C min
Storage Temperature, Max	85 °C max
Storage Temperature, Min	-40 °C min
Relative Humidity, Max	95 %RH
IP Rating	IP20
Shock Acceleration (Max.)	30 g
Shock Rating	IEC 60068-2-27
Vibration Acceleration (Max.)	2 m/s²
Vibration Frequency, Operational (Max.)	500 Hz
Vibration Rating	IEC 60068-2-6
Certifications	C-UL-US CE RCM ODVA - EtherNet/IP KC (KCC)

REFERENCES

IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	Installation Instructions
User Manual:	User Manual
Manufacturer Datasheet:	Manufacturer Datasheet
Manufacturer Catalogue & Product Selection:	Selection Guide