FX1N-10MR PLC Compatible FX1N Programmable Logic Controller

FX1N-10MR PLC are compatible with the Mitsubishi FX1N series of Programmable Logic Controllers (PLCs). They both have the same basic specifications that you've listed, including a DC24V power supply, X0-X5 inputs, Y0-Y3 outputs, and a memory capacity of 8000 steps. The download baud rate of 9.6 Kbps is also the same for both controllers.

Key Features & Advantages

- 6 digital input points (X0–X5) and 4 relay output points (Y0–Y3, 5A)
- RS232 communication for HMI and PC coneection
- Power-off retention function

Software: GX-Developer/GX Works2

Programming Cable : USB to Serial cable

Specifications:

Product Type: FX1N-10MR/MT
Relay Output Types: Controllable AC relays, intermediate relays, electromagnetic valves (up to 5A)
Transistor Output Types: Controllable stepper motors, hydraulic valves, intermediate relays, and other DC loads (up to 3A)
Power Supply: DC24V
Inputs: 6 points (X0-X5)
Outputs: 4 points (Y0-Y3)
Memory Capacity: 8000 steps
Download Baud Rate: 9.6Kbps
Installation: Panel Mounting
Dimensions: Length 120mm x Width 96mm x Height 40mm
Programming Method: Programming, downloading, debugging, and monitoring (allows real-time monitoring while writing for easy debugging)
No software conversion is required; downloads are similar to regular PLCs.

Input Power	DC24
Number of steps	8000 steps; 1 communication port: RS232 (DB9 serial port is communication port for the FX1N protocol 9600,7, E, 1
X input element	DC24, X0-X5 input
Y output element	Y0-Y5 for optimal relay or transistor output, relay output current 5A.
Analog input	6 analog input, 12 bit precision, A0-AD2: 0-10V, A3-AD5 :0-20MA; read analog RD3A instruction。
Analog output	2 analog output, 12-bit precision, output voltage: 0-10V. output analog voltage with WR3A instruction
Intermediate relay M	M0-M1535, General : M0-M383 (Latched : EPROM keep : M384-M511,Capacitor keep : M512-M1535)
Stepper Point S	S0-999, (Latched : EPROM keep : S0- S27,Capacitor keep : S28-S999)
100Ms Timer	T0-T199, Retentive: T250-T255
10Ms Timer	T200-T245,
1Ms Timer	Retentive: T246-T249
16-bit counter	General : C0-C15, (Latched : Capacitor keep : C220-C234)
32-bit counter	General : C200-C219, (Latched : EPROM keep : C16- C31,Capacitor keep : C32-C199)
32-bit high-speed counter	C235-240 single-phase counter, Non harmonic; C241-245 single-phase C/W Start Stop input, C246-250 two-phase counter; C251-255 A/B phase
Register D	D0-D7999, General : D0-D127 (Latched : EPROM keep : D128-D255,Capacitor keep D256-D7999)
Special element M	M8000 running normally closed,M8002 power pulse,M8011 is 10Ms pulse,M8012 is 100Ms pulse,M8013 is 1s pulse,M8014 minutes pulse.

Usb to Serial programming cable