

### Micro 40 PLC



The Micro 40 PLC is big on features, expandable to 152 I/O points to fast cycle times, robust instruction set, and generous memory to allow more flexible programming. The optional second port provides you with the option of an additional RS-232 port, RS-485, USB, or Ethernet. The serial expansion ports come with two analog input channels. A user-friendly memory module is available to easily download changes to the controller without the need of a PC. And it's all packaged in a sturdy modular design for easy access and long-term durability. This all-in-one PLC gives you everything you need to control a wide variety of applications.

	IC200UDD040	IC200UDD240	IC200UDR140	IC200UDR040	IC200UDR440
<b>Product Name</b>	<b>Micro 40; (24) 24 VDC In, (16) 24 VDC Source Out, 0.7 amps with ESCP protection, 24 VDC Powered</b>	<b>Micro 40; (24) 24 VDC In, (16) 24 VDC Sink Out, 24 VDC Powered</b>	<b>Micro 40; (24) 24 VDC In, (16) Relay Out 2.0 amps, 120/240 VAC Powered</b>	<b>Micro 40; (24) 24 VDC In, (16) Relay Out 2.0 amps, 24 VDC Powered</b>	<b>Micro 40; (24) 24 VDC In, (16) Relay Out 2.0 amps 12/24 VDC Powered</b>
<b>Lifecycle Status</b>	Active	Active	Active	Active	Active
<b>Number of Discrete Inputs/Outputs</b>	24 In / 16 Out (Supports 4 Expansion Units)	24 In / 16 Out (Supports 4 Expansion Units)	24 In / 16 Out (Supports 4 Expansion Units)	24 In / 16 Out (Supports 4 Expansion Units)	24 In / 16 Out (Supports 4 Expansion Units)
<b>Number of Analog Inputs/Outputs</b>	Supports up to 4 analog expansion units (16 analog in/ 8 analog out)	Supports up to 4 analog expansion units (16 analog in/ 8 analog out)	Supports up to 4 analog expansion units (16 analog in/ 8 analog out)	Supports up to 4 analog expansion units (16 analog in/ 8 analog out)	Supports up to 4 analog expansion units (16 analog in/ 8 analog out)
<b>Physical I/O Maximum</b>	152	152	152	152	152
<b>User Program Logic Memory (Words)</b>	24 K	24 K	24 K	24 K	24 K
<b>Registers (Words)</b>	32 K	32 K	32 K	32 K	32 K
<b>Analog Pots for Data Adjustment</b>	No	No	No	No	No
<b>Serial Port Connector Type</b>	RJ-45 (RS-232) port 1 and optional port 2 DB-15 (RS-485) or RJ-45 (RS-232) or USB or RJ-45 (Ethernet 10/100Mbit)	RJ-45 (RS-232) port 1 and optional port 2 DB-15 (RS-485) or RJ-45 (RS-232) or USB or RJ-45 (Ethernet 10/100Mbit)	RJ-45 (RS-232) port 1 and optional port 2 DB-15 (RS-485) or RJ-45 (RS-232) or USB or RJ-45 (Ethernet 10/100Mbit)	RJ-45 (RS-232) port 1 and optional port 2 DB-15 (RS-485) or RJ-45 (RS-232) or USB or RJ-45 (Ethernet 10/100Mbit)	RJ-45 (RS-232) port 1 and optional port 2 DB-15 (RS-485) or RJ-45 (RS-232) or USB or RJ-45 (Ethernet 10/100Mbit)
<b>Protocols</b>	Both Ports: SNP, SNP X (Breakless), RTU Master and Slave (2 and 4 wire RTU Slave), SNP Master, Serial Read and Write; Ethernet SRTTP, Modbus TCP (server) and Tunneling	Both Ports: SNP, SNP X (Breakless), RTU Master and Slave (2 and 4 wire RTU Slave), SNP Master, Serial Read and Write; Ethernet SRTTP, Modbus TCP (server) and Tunneling	Both Ports: SNP, SNP X (Breakless), RTU Master and Slave (2 and 4 wire RTU Slave), SNP Master, Serial Read and Write; Ethernet SRTTP, Modbus TCP (server) and Tunneling	Both Ports: SNP, SNP X (Breakless), RTU Master and Slave (2 and 4 wire RTU Slave), SNP Master, Serial Read and Write; Ethernet SRTTP, Modbus TCP (server) and Tunneling	Both Ports: SNP, SNP X (Breakless), RTU Master and Slave (2 and 4 wire RTU Slave), SNP Master, Serial Read and Write; Ethernet SRTTP, Modbus TCP (server) and Tunneling
<b>Power Voltage</b>	24 VDC	24 VDC	120/240 VAC	24 VDC	12/24 VDC
<b>Input Power Supply Rating</b>	10 Watts	10 Watts	35 VA	10 Watts	10 Watts
<b>24 VDC User Power for Sensors</b>	435 mA	435 mA	435 mA	435 mA	120 mA
<b>Input Device Voltage</b>	24 VDC	24 VDC	24 VDC	24 VDC	24 VDC
<b>Maximum Type A and B Counters</b>	4 Type A and 1 Type B @ 100Khz (32 bit)	4 Type A and 1 Type B @ 100Khz (32 bit)	4 Type A and 1 Type B @ 100Khz (32 bit)	4 Type A and 1 Type B @ 100Khz (32 bit)	4 Type A and 1 Type B @ 100Khz (32 bit)
<b>Output Control Voltage</b>	24 VDC ESCP; Self Healing; No External Fusing Required	24 VDC Sink	Relay Out	Relay Out	Relay Out
<b>Relay Maximum Resistive Load Rating</b>	N/A	N/A	2 Amps at 24 VDC and 240 VA	2 Amps at 24 VDC and 240 VA	2 Amps at 24 VDC and 240 VA
<b>Maximum Number of PWM/Pulse Outputs</b>	4 @ 65Khz (32 bit)	4 @ 65Khz (32 bit)	N/A	N/A	N/A
<b>Dimensions (W x H x D) mm</b>	150 x 90 x 76	150 x 90 x 76	150 x 90 x 76	150 x 90 x 76	150 x 90 x 76
<b>Programming Software</b>	Machine Edition Logic Developer 5.0, Service Pack 3, Hotfix	Machine Edition Logic Developer 5.0, Service Pack 3, Hotfix	Machine Edition Logic Developer 5.0, Service Pack 3, Hotfix	Machine Edition Logic Developer 5.0, Service Pack 3, Hotfix	Machine Edition Logic Developer 5.0, Service Pack 3, Hotfix
<b>Portable Memory Module Support</b>	Yes	Yes	Yes	Yes	Yes