

Micro800 Plug-in Modules and Accessories – Features and Compatibility

Plug-in / Accessory	Supported by Micro810	Supported by Micro820	Supported by Micro830/Micro850	Feature
1.5" LCD and Keypad 2080-LCD	Yes	No	No	• backup module for Micro810 controllers • configure Smart Relay Function Blocks
Micro810 USB Adapter 2080-USBADAPTER	Yes	No	No	USB programming access
External Power Supply 2080-PS120-240VAC	Yes	Yes	Yes	optional controller power supply
RS232/485 Isolated Serial Port 2080-SERIALISOL	No	Yes	Yes	• adds additional serial communications with Modbus RTU and ASCII protocols • isolated for increased noise immunity
Digital Input, Output, Relay, and Combination Modules 2080-IQ4, 2080-IQ4OB4, 2080-IQ4OV4, 2080-OB4, 2080-OV4, 2080-OW4I	No	Yes	Yes	• 4-channel inputs/outputs or combination modules • configurable as voltage and current inputs • sink or source output • 4-channel relay outputs
High Speed Counter 2080-MOT-HSC	No	Yes	Yes	• Up to a minimum of 250 KHz differential line driver for improved noise immunity and additional dedicated I/O • One Quadrature (ABZ) differential inputs alternately configurable for pulse internal, pulse with external direction, A-up and B-down input configurations, and quadrature mode • User-configurable minimum and maximum values, preset, and Z operation
DeviceNet Scanner 2080-DNET20	No	Yes	Yes	• Scanner mode – scan devices such as CompactBlock™ LDX, PowerFlex® drives, overloads and sensors
Remote LCD 2080-REMLCD	No	Yes	No	• Operator interface for configuring such settings as IP address on Micro820 controller • With RS232 and USB ports
Non-isolated Unipolar Analog Input/Output 2080-IF2, 2080-IF4, 2080-OF2	No	Yes	Yes	• adds up to 20 embedded analog I/O with 12-bit resolution (with 48-point controllers) • 2 channels for 2080-IF2, 2080-OF2 • 4 channels for 2080-IF4
Non-isolated Thermocouple 2080-TC2	No	Yes	Yes	• for temperature control, when used with PID • 2 channels for 2080-TC2 and 2080-RTD2
Non-isolated RTD 2080-RTD2	No	Yes	Yes	
Memory Module with RTC 2080-MEMBAK-RTC	No	No	Yes	• backup project data and application code • high accuracy real-time clock
6-Channel Trim Potentiometer Analog Input 2080-TRIMPOT6	No	Yes	Yes	adds six analog presets for speed, position and temperature control



Thermocouple and RTD (2080-TC2, 2080-RTD2)

Specifications (2080-RTD2, 2080-TC2)

Catalog	Type	Common mode rejection ratio	Normal mode rejection ratio
2080-RTD2	2-channel non-isolated RTD	100 dB @ 50/60Hz	70 dB @ 50/60 Hz
2080-TC2	2-channel non-isolated Thermocouple		

Catalog	Type	Common mode rejection ratio	Normal mode rejection ratio	RTD types supported	Thermocouple types supported	Terminal screw torque
2080-RTD2	2-channel non-isolated RTD	100 dB @ 50/60Hz	70 dB @ 50/60 Hz	100 Ω Platinum 385, 200 Ω Platinum 385, 500 Ω Platinum 385, 1000 Platinum 385, 100 Ω Platinum 392, 200 Ω Platinum 392, 500 Ω Platinum 392, 1000 Ω Platinum 392, 10 Ω Copper 427, 120 Ω Nickel 672, 604 Ω Nickel-Iron 518	—	0.22...0.25 Nm (1.95...2.21 lb-in.) using a 2.5 mm (0.10 in.) flat-blade screwdriver
2080-TC2	2-channel non-isolated Thermocouple			—	J, K, N, T, E, R, S, B	

Catalog	Wire size	Operating temperature	Non-operating temperature	Surrounding air, max	North American temp code
2080-RTD2	Solid: 0.14 mm ² (26 AWG), min 1.5 mm ² (16 AWG), max Stranded: 0.14 mm ² (26 AWG), min 1.0 mm ² (18 AWG), max rated @ 90 °C (194 °F) insulation max	-20...65 °C (-4...149 °F)	-40...85 °C (-40...185 °F)	65 °C (149 °F)	T4
2080-TC2					



Trimpot Analog Input (2080-TRIMPOT6)

Specifications (2080-TRIMPOT6)

Number of inputs	Mounting torque	Operating temperature	Non-operating temperature	Surrounding air, max	North American temp code
6-channel, Trimpot	0.2 Nm (1.48 lb-in.)	-20...65 °C (-4...149 °F)	-40...85 °C (-40...185 °F)	65 °C (149 °F)	T4