

Micro830/850/870™ 2080-SDMEMRTC-SC MicroSD Memory Module With Real-Time Clock



The 2080-SDMEMRTC-SC Memory Module with Real Time Clock provides an additional memory option for tasks requiring extended data accumulation or file storage with a time-stamping option. The 2080-SDMEMRTC-SC module streamlines the ability to log data, store and download recipe files, backup and restore CPU memory/configuration.

- Logging data in standalone Process skids for applications such as drying, heating and filtration.
- Datalog in Remote Station monitoring applications for Energy, Water/Wastewater, etc. when Network communication is down.
- Process skids dependent on multiple recipes can now store all of those recipes locally without the need to connect a PC for new batch setups.
- Real Time Clock functionality is mandatory for many Datalogging and Recipe functions.
- Firmware update of the controller no longer requires carrying around a PC as the MicroSD card will complete this function.
- Commissioning new machines or replacing the controller is quick and easy with the SD card.

2080-SDMEMRTC Specifications



Memory card sizes	4, 8, 16, and 32 GB (MicroSD memory card purchased separately)
Backup and Restore PLC Program Memory	Using Connected Components Workbench
Data Logging	Initiate a Data Log as often as once every two seconds Up to 10 data sets (max. 128 variables) per file, up to 50 files per day Typical data per day (10 MB) Data Log Function Block simplifies setup, data log status and error enunciation Supported Data Types: BOOL, SINT, INT, DINT, LINT, USINT(BYTE), UINT(WORD), UDINT(DWORD), ULINT(LWORD), REAL, LREAL, STRING, DATE, TIME
Recipe	Up to 10 Recipe sets with 128 variables each, max. of 50 Recipes per set
File upload	Upload Data Log and Recipe files using Connected Components Workbench
Backplane Current Required	30 mA at 24 V max 38 mA at 3.30 V max
Thermal Dissipation	1.5 Watts, maximum
Environmental Conditions Operational Temperature Storage Temperature Relative Humidity	-20 °C - 65 °C (-4 °F - 131 °F) -40 °C - 85 °C (-40 °F - 185 °F) 5% - 95% (non-condensing)
Certifications	UL/cUL Listed UL61010-2-20/ANSI ISA 12.12.01 (Class I, Div 2, Groups ABCD), FCC, CE, UKCA, CMIM