## Micro830/850/870™ **2080sc-BAC** BACnet Communications Plug-In Module





The 2080sc-BAC Communications Module is a two-channel communications plug-in module for use with Rockwell Automation Micro800<sup>™</sup> systems as a slave node on a BACnet Network. You may use the module in a wide range of applications such as heating, ventilation, lighting control, access control, and fire detection systems. The module is able to communicate over BACnet serial and Ethernet building automation networks:

- Five standard BACnet objects supported.
- Compatible with Allen-Bradley Micro800 controllers.
- Reduce system cost.
- Improve energy efficiency.
- Automate lighting control.
- Control your HVAC system.





## 2080sc-BAC Specifications



| Channels Per Module   | 1 Serial Channel, 1 Ethernet  |
|---|---|
|   | Analog Input/Analog Output/Binary Input/Binary Output/Identity Object   |
| Resolution  | 16 bits   |
|   | MS/TP and BACnet/IP   |
| Serial Interface  | RS-485 by default (or RS-232) configurable during setup   |
| Communication Formats   | Conforms to ASHRAE and ISO 16484-1 defined BACnet AAC standard communication protocol, compatible with BACnet system  |
| Hardware Flow Control   | None  |
| Baud Rates  | 1200, 2400, 4800, 9600, 19.2K, 38.4K, 76.8K   |
| Interface, Channel 2  | 10/100 M Ethernet, auto sensing   |
| Crosstalk   | -40 dB, minimum   |
| Input Protection  | 24 VDC, continuous  |
| Power, RTC Backup   | 72 hours, minimum   |
| Accuracy, RTC Backup  | +1.0, -3.0 minutes/month  |
| Power Consumption   | 40 mA at 3.3 V; Less than 50 mA at 24 V; Less than 0.85 Watts total   |
| Inrush Current  | Less than 500 mA at 3.3 V; Less than 500 mA at 24 V   |
| Fusing  | 2.7 ohms 1/10 W resistor, 24 VDC input<br>0.470 ohm 1/10 W resistor, 3.3 VDC input  |
| Input to Backplane Isolation  | 500 VAC (707 VDC) for 1 minute  |
| Channel-to-Channel Isolation  | None  |
| Fault Detection   | None  |
| Wire Size   | #22 to #30 AWG (for the terminal block connector)   |
| Environmental Conditions:<br>Operational Temperature:<br>Storage Temperature:<br>Relative Humidity: | -20 °C -+65 °C (-4 °F - +149 °F)<br>-40 °C - +85 °C (-40 °F - +185 °F)<br>5% - 95% (non-condensing)   |
| Certifications  | Safety: cULus Listed: UL508 and CSA C22.2 No. 142-M1987, E140954<br>Hazardous Locations: cULus Listed: Industrial Control Equipment for<br>Use in Class I, Division 2 ANSI/ISA 12.12.01-2015 and CSA C22.2 No.<br>213-17, E180101, CE, UKCA, CMIM |
| manulacluring   | ן הטחס מונו <b>הבאטה</b> נסוזוףוומחנ  |



