

In a world of ones and zeros,  
here's one that stands out.



## FullBAC™ Router

A multi-port router designed for use between BACnet IP LANs, BACnet Ethernet LANs, and BACnet MS/TP LANs



# BAC-5050 FullBAC Router

This one does BACnet.

The KMC FullBAC router builds on the successful foundation of our DDC line, adding the interoperability of the BACnet protocol to efficiently route BACnet traffic. Successful building automation projects result.

The BAC-5050 provides communication between foreign devices, BACnet IP LANs, the BACnet MS/TP controller network, and an Ethernet 802.3 (ISO 8802-3) network.

The product derives its name from robust connectivity it offers to demanding BACnet jobs:

- Manage up to 4 MS/TP controller networks through independent EIA-485 ports.
- Manage multiple BACnet IP networks
- Manage an additional Ethernet network.
- Configure and debug through EIA-232 ports or TCP/IP.

The BAC-5050 is capable of IP hopping or tunnel routing (cross communication between IP LANs).

An included configuration tool facilitates ease-of-installation.



## SPECIFICATIONS

### Communications

10BaseT port for multiple BACnet IP networks and an Ethernet 802.3 (ISO 8802-3) network

4, EIA-485 ports for MS/TP networks (each supports operating speeds up to 76.8 kbits)

2, EIA-232 ports for configuring, debugging, and PTP (modem) use

Performs IP assembling/disassembling (PAD) routing for up to 4 BACnet IP PAD networks

Foreign Device Registration

### Memory

2 MB nonvolatile flash memory

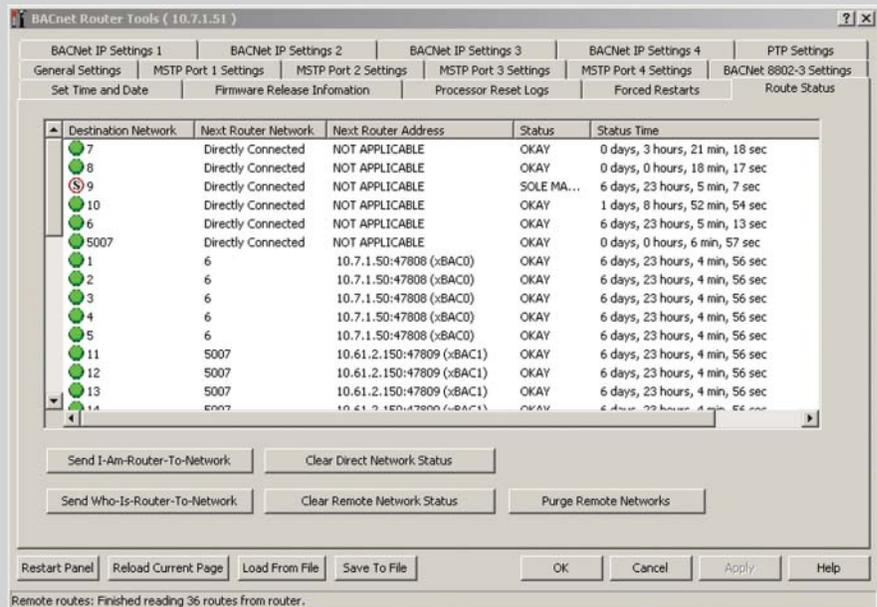
2 MB RAM

Configuration parameters are stored in nonvolatile memory

### Configuration Tool

An intuitive software instrument enabling configuration of the router through a direct serial connection or over TCP/IP

Displays remote network status



*Included software is logically organized for easy router configuration*

building your comfort zone™