

Ethernet Switch Module (C3463)

Ethernet Switch (RJ-45 Port expansion)

The C3463 is a PC104 module for SAGE RTUs that can be used to increase the number of physical RJ-45 jacks available for connecting additional Ethernet devices to a SAGE unit.

The Ethernet Switch module plugs into the PC104 stack (like the CPU) and does not require external power connections as it gets power from the PC104 bus. The Ethernet Switch requires no configuration changes to the SAGE unit as Ethernet functionality is a native function for the SAGE hardware and the only function of adding the switch is to increase the number of physical RJ-45 connectors from two (located on the CPU module) to a total of five RJ-45 connectors. (note: one of the RJ-45 connectors on the Ethernet switch module connects to one of the RJ-45 connectors on the CPU module)



Advantages of using the SAGE Ethernet Switch module are:

1. No additional power connections needed.
2. Does not require an additional panel or take up additional panel space.
3. Increases the number of physical RJ-45 connectors that are available by three.
4. No configuration or software modifications are required for use.

As the use of Ethernet devices increases, more physical connections are often needed and the SAGE Ethernet Switch Module is an easy solution to add a few more physical connections.

Specification Summary:

100BaseTX / 10BaseT	- IEEE 802.3, IEEE 802.3u Compliant
Data Transfer	- 10 Mbits/sec or 100 Mbits/sec, Full Duplex or Half Duplex Mode
Bus Architecture	- 16-bit PC/104 (ISA) for power only (optional)
Power Consumption	- Max: +5 VDC @ 0.44A or 2.2 Watts (0.45W base + 0.35W per port)
Frame Buffer	- 512Kb On-Chip Port Map Memory Chipset
Environmental:	- Operating Temp: -40°C to +85°C (-40°F to +185°F) per MIL-STD-810F Method 501.4, 502.4
	Storage Temp: -55°C to +100°C (-67°F to +212°F)