



SM-PROFINET

Ethernet based industrial network



SM-PROFINET Option Module

PROFINET is an Ethernet based industrial network protocol adapting Ethernet hardware to the real time needs of industrial automation.

SM-PROFINET is a simple click-in option module that works with Unidrive SP, Commander SK, Mentor MP and Digitax ST*.

SM-PROFINET benefits

- Fast, high-precision communications for maximum plant productivity
- Dual port cable connection ensures rapid and easy installation
- Stable and robust data transfer improves system reliability
- Open standard programming for flexible network integration
- Click-in option module allows easy system adoption of PROFINET to future-proof projects
- Internal Ethernet switch permits effortless system expansion anytime during its life cycle



* Please contact Control Techniques for details on usage with Mentor MP and Digitax ST.



SM-PROFINET features:

- Dual 100 BASE-TX RJ45 connectors with support for shielded twisted pair, full-duplex 100 Mbps connectivity with auto crossover correction
- Integrated switches allow for use of line networks i.e. daisy chaining
- Both RJ45 ports operate in full duplex mode as a network switch
- PROFINET Real-time class RT_Class_1 and conformance class B
- Cycle times from 1 ms to 512 ms specified during configuration
- Automatic device replacement using the LLDP and SNMP protocols
- LED indication of network port activity
- Up to 64 cyclic IO module slots (configured by network configuration tool and GSDML file)
- Identification and maintenance functions I&M0 to I&M4 supported



Typical system architecture

