

Optech Network Solutions Prime Connect 4057s Datasheet

Optech Network Solutions Prime Connect 4057s

Specification	**Optech Network Solutions Prime Connect 4057s**
Product Type	Industrial 1-Port Serial-to-Ethernet Device Server
Ethernet Interface	1 × 10/100 Mbps RJ45 Ethernet port
Ethernet Standard	10BASE-T / 100BASE-TX
Ethernet Isolation	1.5 kV built-in magnetic isolation
Serial Interface	1 × serial port
Serial Connector	DB9 male
Serial Standards	RS-232 / RS-422 / RS-485
Network Interface	Standard TCP/IP Ethernet
Operating Modes	Disabled, Ethernet Modem, Pair Connection, Real COM, Reverse Telnet, RFC2217, TCP Client, TCP Server, UDP
Baud Rate	50 bps to 921.6 kbps
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	RTS/CTS and DTR/DSR for RS-232; XON/XOFF
RS-485 Pull High/Low Resistor	Configurable: 1 kOhm / 150 kOhm
RS-485 Data Direction Control	Automatic data-direction control
RS-485 Termination	120 Ohm
RS-232 Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
RS-422 Signals	Tx+, Tx-, Rx+, Rx-, GND
RS-485 4-Wire Signals	Tx+, Tx-, Rx+, Rx-, GND
RS-485 2-Wire Signals	Data+, Data-, GND
Network Management	DHCP Client, ARP, BOOTP, DNS, HTTP, HTTPS, ICMP, IPv4, LLDP, SMTP, SNMP, TCP/IP, Telnet and UDP
Multicast / Filtering	IGMP v1/v2 support
Web Management	Web-based configuration and management
Security	Local authentication with HTTPS-based secure management

Encryption / Security Algorithms AES-128, SHA-1, RSA-1024, SHA-256, subject to implemented firmware/security configuration	
Secure Protocol	HTTPS / TLS 1.2
Serial Driver Support	Real COM / TTY connectivity
Automatic Reboot	Built-in watchdog timer
Power Inputs	1
Input Voltage	12–48 VDC
Power Connection	DC power input
Housing	Metal industrial enclosure
Dimensions with Mounting Ears	Approx. 75.2 × 80 × 22 mm
Dimensions without Mounting Ears Approx. 52 × 80 × 22 mm	
Weight	Approx. 340 g
Installation	Desktop, wall mounting or DIN-rail mounting with suitable mounting accessory
Standard Operating Temperature	0°C to 60°C
Wide-Temperature Operating Range -40°C to 75°C	
Storage Temperature	-40°C to 75°C
Relative Humidity	5% to 95% RH, non-condensing