

Product data sheet

Specifications



Remote terminal unit, Foxboro SCADA RTUs, multi nodal

SCD6000

Main

Range of product	Foxboro SCADA RTU
Product or component type	Remote terminal unit
Device composition	Rack CPU module I/O module Power supply module

Complementary

Processor name	ARM Cortex-A9 dual core 600.0 MHz
Memory type	256 MB DDR3 SDRAM 250 kB NVRAM parameter memory 64 MB built-in flash memory internal 16 MB internal protected mode BIOS
Operating system	VxWorks
Communication port protocol	DNP3 master DNP3 slave Modbus RTU and ASCII Modbus TCP IEC 60870-5-101 IEC 61850 IEC 60870-5-104
Integrated connection type	2 SFP ports 100BASE-FX or 10/100BASE-T 1 Ethernet RJ45 10/100BASE-T 1 serial port DB9 RS232/RS485 2 optic fibre fiber optic ST - ring counter rotating ARCNET arrangement
Controller type	16550 UART DP83620/DP83640 Ethernet controllers COM20022 ARCNET controller
Function available	Real time clock Real-time clock / NVRAM backup during power outage Shut down at maximum power with auto-recovery Generic configurable protocol interface
Protection type	Overvoltage Undervoltage
Input/Output type	Analog input Analog output Digital input Digital output Combination of analog/digital input/output
[Us] rated supply voltage	19.2...148 V DC
Input current	3.3 A at 18 V 0.34 A at 164 V
Output voltage	5 V at 4.5 A 15 V at 1.0 A - 15 V at 0.15 A

Efficiency	65.0 % (full load)
Mounting mode	Rack-mounted
Depth	145.0 mm
Width	35.0 mm
Height	160.0 mm
Net weight	0.9 kg

Environment

Standards	EN 61326-1 Class A CISPR 11 IEC 61000-4-2 IEC 61000-4-3 IEC 61000-4-4 IEC 61000-4-5 IEC 61000-4-6 IEC 61000-4-16 IEC 61000-4-17 IEC 61000-4-18 IEC 61000-4-29
Vibration resistance	9.8 m/s²
Ambient air temperature for operation	-20...70 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	5...95 % RH, non-condensing

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Recommended replacement(s)