

Product data sheet

Specifications



Smart RTU, SCADAPack 47x | 47xi,
Linux application processor, upto 20
flowrun license, 20 DI, 12 AI, 12 DO,
2 AO

SCADAPACK_474I

Main

Range of product	SCADAPack 47x 47xi
Product or component type	Remote terminal unit
Market segment	Oil and gas Water and waste water Energy
Sensor type	ARM Cortex-A7 dual core at 500 MHz for real time processor ARM Cortex-A7 dual core at 500 MHz for Linux edge application
Memory type	SRAM 4 MB for real time processor RAM DDR3 256 MB for real time processor NAND flash 256 MB for real time processor Data storage 70 MB for real time processor RAM DDR3 1 GB for Linux edge application NAND flash 1 GB for Linux edge application Data storage 500 MB for Linux edge application
Type of license	20 flowrun license
Range compatibility	Realift
Product specific application	C/C++ applications Node-RED applications Containerized applications Custom web applications

Complementary

Shock resistance	1 IEC 61131-3 master task 1 IEC 61131-1 fast task 2 IEC 61131-3 auxiliary task Linux applications
Function available	RemoteConnect configuration software Software development Linux development via C/C++ and Python Logic development via five IEC 61131-3 languages Advanced diagnostics
Communication service	Data logging in DNP3/ IEC 104
Communication port protocol	OPC UA MQTT over TLS Sparkplug B Modbus DNP3 level 4 IEC 60870-5-104 FTP server Telnet server SFTP SSL SSH
Integrated connection type	4 Ethernet 8-pin modular, RJ45 - 10/100 Mbps 2 serial port for RS485 - 115.2 kbps 2 serial port for RS232/RS485 - 115.2 kbps 3 USB 2.0 port USB type A

1 USB 2.0 port USB type C

Cybersecurity	IP firewall Achilles certified DoS prevention HTTPS IEC 62442-4-2 SL1 Transport Layer Security Certificate based authentication Enable/disable communication ports Firmware signature Password protection System hardening
Input type	Digital x20 inputs,, 12...24 V DC Analog x12 inputs, Counter x12 inputs,
Analogue input type	Current, input range: 0...20 mA Current, input range: 4...20 mA Voltage, input range: 0...5 V Voltage, input range: 1...5 V
Output type	12 digital, 30 V, 1 A 2 analog
Analogue output type	Current 0...20 mA Current 4...20 mA
Counting frequency	4 x 10 kHz 4 x 1.5 kHz 4 x 150 Hz
Compatible expansion module	5304 for analog output 5414 for digital input 5415 for digital output 5506 for analog input 5606 for expansion I/O 5607 for expansion I/O 6601 for expansion I/O 6607 for expansion I/O 5505 for RTD input
Input voltage	12...28 V DC
Power consumption in W	6 W
Width	142 mm
Depth	89 mm
Height	167 mm
Product weight	1.250 kg
Environment	
Standards	CSA C22.2 No 61010-1-12 CSA C22.2 No 61010-2-201 UL 61010-1 UL 61010-2-201 FCC part 15 Subpart B class A FCC part 15 class B
Product certifications	ATEX II 3g Ex ec nC IIC T4 Gc ATEX zone 2 IECEX II 3g Ex ec nC IIC T4 Gc IECEX zone 2 cULus HazLoc Class I Division 2 Group A cULus HazLoc Class I Division 2 Group B cULus HazLoc Class I Division 2 Group C cULus HazLoc Class I Division 2 Group D CE ACMA
Marking	CE RCM EAC
Ambient air temperature for operation	-40...70 °C when the unit is mounted horizontally on a vertical surface -40...65 °C when the unit is mounted in any other position -40...70 °C when the unit is mounted horizontally on a vertical surface -40...65 °C when the unit is mounted in any other position
Ambient air temperature for storage	-40...85 °C -40...85 °C
Relative humidity	5...95 % non-condensing

Pollution degree	2
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Vibration resistance	7 mm constant amplitude 1 gn constant acceleration 15 gn for 15 ms conforming to IEC 61131-2
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	9.1 cm
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Package 1 Width	23.8 cm
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Package 1 Length	21.0 cm
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Package 1 Weight	1.25 kg
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Recommended replacement(s)