DAU02-PNET-8AI Specification



Features and Benefits

- Support PROFINET Device
- Support IIoT application for AWS, AZURE, and AIoTera cloud.
- 2-port Ethernet supports daisy-chain
- Easy mass deployment and configuration with Auto-Search RIO utility
- Friendly configuration via web browser
- Support SNMP v1
- Wide temperature from -30°C to 75°C

CE FC

Analog Inputs

Channels	8
Connector	Screw-fastened Euroblock terminal
I/O Mode	Voltage/Current
I/O Type	Differential
Resolution	16 bits
Input Range	0 to 10 Vdc
	0 to 20 mA
	4 to 20 mA
Accuracy	+/-0.1% FSR @ 25°C
	+/-0.3% FSR @ -10 to 60°C
	+/-0.5% FSR @ -30 to 75°C
Sampling Rate	All channels: 3164 samples/sec Per channel: 395.5 samples/sec
Built-in Resistor for Current Input	120 Ω
Input Impedance	≧ 1MΩ

Ethernet Software Features

Industrial Protocol	PROFINET Device
IoT Protocol	MQTT, RESTful API, and SNMP V1.0
Cloud Connectivity	AWS, Azure, and AIoTera
Configuration Options	Web Console (HTTP), Windows Utility (Device Search)
Management	HTTP, DHCP Client, IPv4, IPv6, TCP/IP, UDP
Security	Access control list

Ethernet Interface

10/100BaseT(X) Ports (RJ45 connector)	2
Magnetic Isolation Protection	1.5 kV (built-in)

LED Interface

LED Indicators	Power, Status, Port 1, Port 2

Power Parameters

Power Connector	Screw-fastened Euroblock terminal
No. of Power Inputs	1
Input Voltage	12 to 36 Vdc
Power Consumption	TBD

Physical Characteristics

Housing	Plastic
Dimensions	27.8 x 124 x 84 mm (1.09 x 4.88 x 3.31 in)
Weight	200 g (0.44 lb.)
Installation	DIN-rail mounting, Wall mounting
Weight	I/O cable, 16 to 26 AWG
	Power cable, 12 to 24 AWG

Environmental Limits

Operating Temperature	Standard Models: -10 to 60°C (14 to 140°F)
	Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Altitude	4000 m[4]

Standards and Certifications

EMC	EN 55032/24, EN 61000-6-2/-6-4	
EMI	CISPR 32, FCC Part 15B Class A	
EMS	IEC 61000-4-2 ESD	Contact: 4 kV
		Air: 8 kV
	IEC 61000-4-3 RS	80 MHz to 1 GHz: 10 V/m
	IEC 61000-4-4 EFT	Power: 2 kV
		Signal: 1 kV
	IEC 61000-4-5 Surge	Power: 2 kV
		Signal: 1 kV
	IEC 61000-4-6 CS	10 V
	IEC 61000-4-8 PFMF	
Hazardous Locations	ATEX, Class I Division 2[5]	
Safety	UL 508	
Shock	IEC 60068-2-27	
Freefall	IEC 60068-2-32	
Vibration	IEC 60068-2-6	

Declaration

Green Product	RoHS, WEEE

MTBF

Time	DAU02 Series: 474,053 hrs:
Details	Telcordia SR332

Package Contents

Device	1 x DAU02 Series remote I/O
Documentation	1 x quick installation guide
	1 x warranty card

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