



DX80N2X1S-P1E

► PERFORMANCE SERIES GATEWAYS AND NODES



DX80 Performance 2.4 GHz Node 65 mW IP65

Integrated Battery External Antenna

Input: 2 Discrete 2 Analog 2 Thermistor

Output: 2 Discrete NMOS

Part Number: 18089

CERTIFICATIONS



SPECIFICATIONS

Housing Style	Integrated Battery
Device Type	Node
Analog Inputs	Yes
Discrete Inputs	Yes
Discrete Outputs	Yes
Input Details	2 Selectable Discrete, two analog and two thermistor
Output Details	2 NMOS Discrete

Environmental Rating (IP)	IP65
Environmental Rating (NEMA)	NEMA 4x
Hazardous/Intrinsically Safe Classification	Class I, Division 2/Zone 2; ATEX Zone 2
LCD Display	Yes
Max Operating Temperature (°C)	65
Min Operating Temperature (°C)	-20
Relative Humidity	95%
Point-to-Multipoint Topology	Yes
Point-to-Point Topology	Yes
Star Topology	Yes
Tree Topology	No
Feature: Hazardous Area	Yes
Application: Temperature Input	Yes
Modbus RTU	No
Wireless	Yes
Radio Frequency	2.4 GHz
Input/Output	Analog & Discrete

RELATED PRODUCTS

SINGLE ENDED CORDSETS

	MQDC1-501.5
Euro-style Quick Disconnect Cable; 5-pin Straight Connector; 0.5 m (1.5 ft) in Length; Chrome plated Brass Coupling Nut	

	Euro-style Quick Disconnect Cable; 5 Pin Straight Connector; 2 m (6.5 ft) in Length; Chrome plated brass coupling nut
	MQDC1-506RA
	Euro-Style Quick Disconnect Cable; 5-Pin Right-Angle Connector; 2 m (6.5 ft) in Length; Chrome-plated brass coupling nut
	MQDC1-515
	Euro-style Quick Disconnect Cable; 5 Pin Straight Connector; 5 m (15 ft) in Length; Chrome plated brass coupling nut
	MQDC1-515RA
	Euro-Style Quick Disconnect Cable; 5-Pin Right-Angle Connector; 5 m (15 ft) in Length; Chrome-plated brass coupling nut
	MQDC1-530
	Euro-style Quick Disconnect Cable; 5 Pin Straight Connector; 9 m (30 ft) in Length; Chrome plated brass coupling nut
	MQDC1-530RA
	Euro-Style Quick Disconnect Cable; 5-Pin Right-Angle Connector; 9 m (30 ft) in Length; Chrome-plated brass coupling nut

ACCESSORIES

	SMBAMS18RA
	Bracket: Right-angle SMBAMS series with; 18 mm hole for mounting sensors; Articulation slots for 90 plus degree rotation; 12-ga. (2.6 mm) Cold-rolled Steel
	BWA-BATT-001
	Replacement Battery; 3.6V D Lithium Cell
	BWA-BATT-011
	Replacement Battery; 3.6V D Lithium Cell Standard
	BWA-CG.5-10
	Cable Gland; 1/2-inch NPT Cordgrip; For 0.17-0.45 in diam; 10 Pack
	BWA-CG.5-2X2.5-10
	Cord grip; 1/2-inch NPT 2 holes of 1.2 - 2.5 mm dia; 10 Pack

	Cord grip; 1/2-inch NPT 3 holes of 2.8 - 5.6 mm dia ; 10 Pack
	BWA-CG.5-6X3.0-10
	Cord grip; 1/2-inch NPT 6 holes of 1.5 - 3.0 mm dia; 10 Pack
	BWA-CG.5-6X4.0-10
	Cord grip; 1/2-inch NPT 6 holes of 2.0 - 4.0 mm dia; 10 Pack
	BWA-HP.5-10
	Hole Plugs; 1/2-inch NPT; 10 Pack
	BWA-HW-001
	Mounting Hardware; M5 bolt set
	BWA-HW-004
	Replacement Seal Pack; O-Ring Gasket Rotary Cover
	BWA-HW-007
	Housing Kits for DX80; 10 tops and bottoms
	BWA-HW-031
	Vent Plug; 1/2-in NPT Port; IP67
	BWA-RELAY-12V
	BWA-RELAY-12V
	BWA-RELAY-24V
	BWA-RELAY-24V
	BWA-RH1B-UDC12V
	Power Relay, SPDT, 12VDC, 10A; Plug In
	BWA-RH1B-UDC24V
	Power Relay; SPDT; 24 VDC; 10A; PLUG IN
	BWA-RIBBON-001
	Ribbon Cable; 20-pin DBL socket
	BWA-SH1B-05
	Relay Socket; 5 Pin; 10A; Plug in

	Surge Suppressor Bulkhead; N Female to N Male; DC Blocking
	BWC-LMRSFRPB
	Surge Suppressor Bulkhead; RP-SMA
	DX81-LITH
	DX81 Battery Unit Single 3.6 V Lithium Battery
	DX81H
	DX81 Battery Supply; Intrinsically Safe
	DX81P6
	DX81 Battery Supply; 6-pack Battery
	IB6RP
	Interface box; Six Discrete PNP inputs; Six Independent SPST relay outputs; Six Amber Indicator LEDs Signal
	SMBDX80DIN
	Bracket: DIN Rail Assembly; For DX80
	DIN-35-105
	DIN Rail Section; 35mm Design; 105mm long
	DIN-35-140
	35 mm DIN Rail Track; 140 mm length track; Accommodates up to 8 MD 14 Amplifiers
	DIN-35-70
	35 mm DIN Rail Track; 70 mm length track; Accommodates up to 4 MD 14 Amplifiers
	BWA-HW-032
	Access Hardware for E Housing; One 1/2-in plug On 1/2-in gland

ANTENNAS

	BWA-201-001
	Antenna 2.4GHz 1dB, 1 in short, RP-SMA

	Antenna Omni 2.4GHz; 2 dBi Rubber Swivel; RP-SMA MALE
	BWA-202-D
	BWA-205-C
	BWA-205-M
	BWA-206-A
	BWA-207-C
	BWA-208-A

ANTENNA ACCESSORIES

	BWC-1MRSFRSB0.2
	BWC-1MRSFRSB1
	BWC-1MRSFRSB2
	BWC-1MRSFRSB4
	BWC-1MRSMN05

	Cable Antenna LMR200; RP-SMA TO N Male; 2 m
	BWC-2MRSFRS12
	Cable Antenna PFP195; RP-SMA Male to RP-SMA Female; 40 ft
	BWC-2MRSFRS3
	Cable Antenna PFP195; RP-SMA Male to RP-SMA Female; 10 ft
	BWC-2MRSFRS6
	Cable Antenna PFP195; RP-SMA Male to RP-SMA Female; 20 ft
	BWC-2MRSFRS9
	Cable Antenna PFP195; RP-SMA Male to RP-SMA Female; 30 ft
	BWC-4MNFN15
	Cable Antenna LMR400; N Male to N Female; 15 m
	BWC-4MNFN3
	Cable Antenna LMR400; N Male to N Female; 3 m
	BWC-4MNFN30
	Cable Antenna LMR400; N Male to N Female; 30 m
	BWC-4MNFN6
	Cable Antenna LMR400; N Male to N Female; 6 m



Banner Engineering Corp. | 9714 Tenth Avenue North | Minneapolis, MN 55441 | United States of America