

# Smart choices for modern industrial networks.



**eWorx** SE200 SERIES SWITCHES

**B+B SMARTWORX**

Powered by

**ADANTECH**

Intelligence at the Network Edge



# SE200 SERIES SWITCHES

## THE BEST INDUSTRIAL GRADE PRICING

Industrial grade unmanaged switches are standard equipment in modern industrial networks. SE200 switches are the smart choice. They stand above the rest by offering you the lowest price in the industry for an industrial grade unmanaged switch -- all of our competitors charge more for equivalent equipment. Starting at just \$79 for a 5-port industrial Ethernet switch, the larger your network, the more you save.

- + IP30 Rated Metal Enclosure
- + Wide Temperature Specifications
- + Dual Power Inputs
- + Dual Mounting Options
- + Heavy Duty Industrial Certifications
- + 3000 VDC Surge Protection (power line)
- + 4000V ESD (Ethernet port)
- + Limited Lifetime Warranty

## PERFORMANCE VS PRICE -- WHY PAY MORE?

### EWORX VS THE COMPETITION

	<b>B+B SmartWorx SE205/SE208</b>	<b>Moxa EDS-205/208</b>	<b>Phoenix contact SFN STX/8tx</b>	<b>N-Tron 105TX/108TX</b>
Dimensions	<b>30 x 120 x 95 mm</b> <b>30 x 140 x 95 mm</b>	24.9 x 100 x 86.5 mm 40 x 100 x 86.5 mm	30 x 120 x 70 mm 50 x 120 x 70 mm	38 x 73 x 90 mm 38 x 89 x 90 mm
Power Input	<b>Dual (12-48 VDC)</b>	Single (22-48 VDC) Single (18-30 VDC)	Single (24 VDC)	Dual (10-30 VDC)
Enclosure	<b>Metal</b>	Plastic	Metal	Metal
Mounting	<b>DIN Rail/Wall Mount</b>	DIN Rail	DIN Rail	DIN Rail
Operating Temperature	<b>Standard Models:</b> <b>-10 to 60°C (14 to 140°F)</b> <b>Wide Temp. Models:</b> <b>-40 to 75°C (-40 to 167°F)</b>	-10°C to 60°C (-14 to 140°F)	-0°C to 60°C (32 to 140°F) -40°C to 75°C (-40 to 167°F)	-40°C to 80°C (-40 to 176°F)
Certifications	<b>cUL/UL60950</b>	UL 508	UL6095	UL CL1 DIV2, IEEE1613, ABS
Price 5-Port	<b>\$78</b>	\$85	\$99	\$122
Price 8-Port	<b>\$119</b>	\$122	\$159	\$147



MODEL	DESCRIPTION	RJ45		FIBER	
		10/100 MBPS	100 BASE-FX	TYPE	CONNECTOR
SE205	5-port 10/100 Unmanaged Ethernet Switch	5	-	-	-
SE205-T	5-port 10/100 Unmanaged Ethernet Switch, Wide temperature	5	-	-	-
SE208	8-port 10/100 Unmanaged Ethernet Switch	8	-	-	-
SE208-T	5-port 10/100 Unmanaged Ethernet Switch, Wide temperature	5	-	-	-
SE205-MMSC	5-port Unmanaged Ethernet Switch, 1 Multi-Mode Fiber with SC connector	4	1	Multi-mode	SC
SE205-SMSC	5-port Unmanaged Ethernet Switch, 1 Single-Mode Fiber with SC connector	4	1	Single-mode	SC

## SPECIFICATIONS

SWITCH PROPERTIES	
MAC Table Size	2k
Packet Buffer Size	448 Kbits
Switching Technique	Store and Forward
INTERFACE	
Connectors	5 x RJ45 (SE205) 8 x RJ45 (SE208) 4 x RJ45 ports, 1 x SC type fiber connector (SE205-MMSC, SE205-SMSC) 6-pin removable screw terminal - power & relay (all models)
Ethernet	Auto Sensing, 10/100BaseTX, Duplex and MDIX.
LED Indicators	P1, P2, P-Fail 10/100T (X): Link/Activity, Duplex/Collision
POWER	
Power Consumption	2.88W (SE205, SE205-T) 4.71W (SE208, SE208-T) 4.2W (SE205-MMSC, SE205-SMSC)
Power Input	12-48 VDC (10.8 - 52.8 VDC) redundant dual inputs
Fault Output	1 Relay Output
Reverse Polarity Protection	Present
Overload Current	Present
PHYSICAL	
Enclosure	IP30, metal shell with solid mounting kits
Mounting	DIN-Rail, Wall Mount
Weight	Net 1.83 lb (0.83 kg)
ENVIRONMENT	
Storage Temperature	-40 ~ +85°C (-40 ~ +185°F)
Operating Humidity	10 ~ 95% (non-condensing)
Storage Humidity	10 ~ 95% (non-condensing)
MTBF	SE205: 412,590 hours SE208: 388,566 hours SE205-MMSC, SE205-SMSC: 674,572 hours
COMMUNICATIONS	
Standards	IEEE 802.3, 802.3u, 802.3x
LAN	10/100Base-T(X) (all models) 10/100Base-T(X), 100Base-FX (SE205-MMSC, SE205-SMSC)
Transmission Distance	Ethernet: Up to 100 meters Multi-mode Fiber: Up to 2km (SE205-MMSC) Single-mode Fiber: Up to 30km (SE205-SMSC)
Transmission Speed	10/100 Mbps Auto-Negotiation
Optical Fiber (SE205-MMSC)	Multi-mode Wavelength: 1300 nm Parameters: 50/125 µm, 62.5/125 µm
Optical Fiber (SE205-SMSC)	Single-mode Wavelength: 1310 nm Parameters: 9/125 µm

## INDUSTRIAL GRADE CERTIFICATIONS

Safety:	UL/cUL 60950
EMI:	FCC Part 15 Subpart B Class A, EN5502, Class A
EMS:	EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8
Shock:	IEC 60068-2-27
Freefall:	IEC 60068-2-32
Vibration:	IEC 60068-2-6





## SE200 SERIES SWITCHES

- Lowest Prices in the Industry
- Industrial Grade Specifications and Certificates
- Models Available with Copper and Fiber Ports
- Limited Lifetime Warranty
- Maximizes Lifetime Return-On-Investment

## + GLOBAL REACH FOR GLOBAL SUPPORT

You build your business and we will build your communication solution. Whether you need standard products or require special designs for specific applications – B+B SmartWorx can help.

**B+B SMARTWORX**

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