eworx™

MANAGED
ETHERNET SWITCHES
Selection Guide

B+B SmartWorx

Powered by **ADVANTECH**

Intelligence at the Network Edge

eworx™

+ capabilities and sophistication at the top tiers of your network

why managed switches are important to your network

- Required in mission critical network environment
- Give you better control over LAN(Local Area Network) traffic and offer other advanced features to control the traffic:

+ FAST DEPLOYMENT
Auto synchronization function of both firmware and configuration settings to make middle/large-scale deployment of multiple switches fast and easy.

+ REAL-TIME REDUNDANCY AND RESILIENCE
It refers to a back up data path less than 20ms to network traffic to safeguard a network in case a connection or cable fails

+ REMOTE MANAGEMENT
Mission critical networks demand remote configuration, troubleshooting, diagnostic, monitoring/traps, reboot, and re-imaging of OS
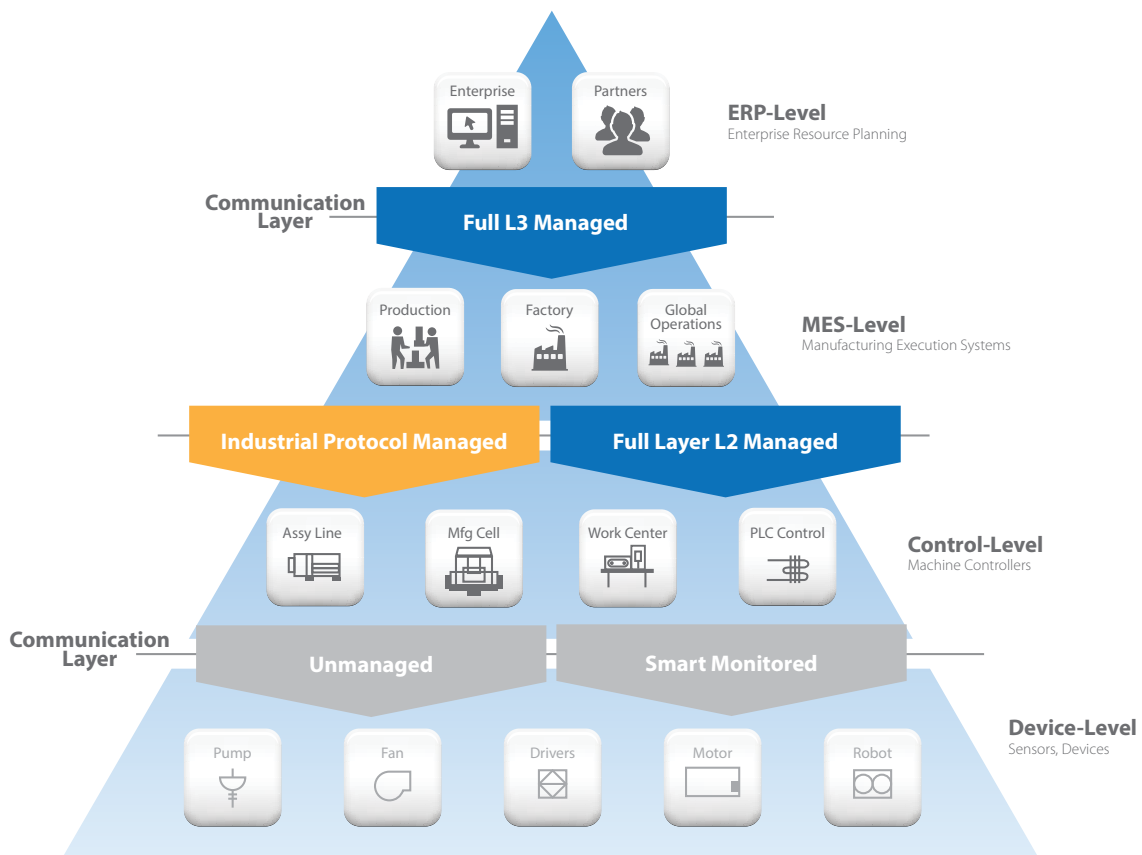
+ ACCOUNT PRIVILEGE AND SECURITY
Limiting network access to trusted devices prevents users from setting up unauthorized sub-network. Also limit management plane access via user authentication such as RADIUS, LDAP and others.

+ SUPPORT MULTIPLE VLAN CONFIGURATION
VLANs allow a switch to logically group devices together to isolate traffic between these groups even when the traffic is passing over the same physical switch

+ QOS (THE QUALITY OF SERVICE)
The managed switches are able to prioritize one type of traffic over another allowing more bandwidth to be allocated through the network by assigning a higher priority to the critical traffic.

Enterprise Partners

ERP-Level
Enterprise Resource Planning

Communication Layer

Full L3 Managed

Production Factory Global Operations

MES-Level
Manufacturing Execution Systems

Industrial Protocol Managed **Full Layer L2 Managed**

Assy Line Mfg Cell Work Center PLC Control

Control-Level
Machine Controllers

Communication Layer

Unmanaged **Smart Monitored**

Pump Fan Drivers Motor Robot

Device-Level
Sensors, Devices

+ choose the best series
for your managed
ethernet switches

◀ **SE400**Series

- PROFINET conformance class B certified and EtherNet/IP™ ODVA® certified
- Ideal for a PROFINET RT or EtherNet/IP™ environment
- Modbus TCP available
- Supports MRP(Media Redundancy Protocol) feature according to IEC 62439
- Default IGMP Snooping and SNMP enabled
- UL508, UL C1D2, ATEX Zone 2, IECEx certified

LIMITED LIFETIME WARRANTY

Application	- Automotive - Machine Automation - Food & Beverage - Oil & Gas
Speed	10/100Mbps & Gigabit
Port count	8, 10, 16, 18
Fiber Option	Up to 2 fiber uplinks
Power Over Ethernet	-
Operating Temp	-10~60℃ -40~75℃
Dual Power Input	DC: 12V-48V
Certification	UL508 Class I, Division 2 ATEX Zone 2
Warranty	Limited Lifetime

EtherNet/IP™   Modbus   PROFINET®

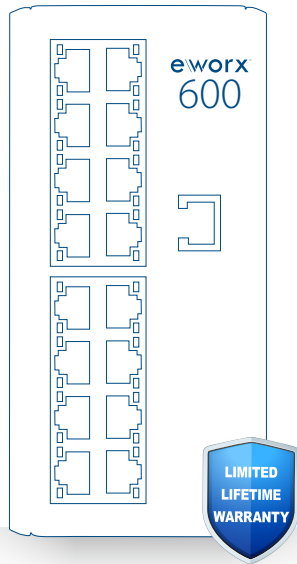| Ordering P/N	Operation Temp.	Total Port Count	Industrial Protocol	RJ45		Fiber				Case Material	Power Input (DC)
				10/100Mbps	Gigabits	100FX	Gigabits	Type	Connector		
SE408	-10~60℃	8	Modbus/TCP	8						Metal	12-48V
SE408-T	-40~75℃	8	Modbus/TCP	8						Metal	12-48V
SE408-EI-T	-40~75℃	8	Etherrnet/IP	8						Metal	12-48V
SE408-PNMA-T	-40~75℃	8	PROFINET Master	8						Metal	12-48V
SE408-PN-T	-40~75℃	8	PROFINET	8						Metal	12-48V
SEC410-2SFP	-10~60℃	10	Modbus/TCP	8	2 Combo	2 Combo		SFP	LC	Metal	12-48V
SEC410-2SFP-T	-40~75℃	10	Modbus/TCP	8	2 Combo	2 Combo		SFP	LC	Metal	12-48V
SEC410-2SFP-EI-T	-40~75℃	10	Etherrnet/IP	8	2 Combo	2 Combo		SFP	LC	Metal	12-48V
SEC410-2SFP-PN-T	-40~75℃	10	PROFINET	8	2 Combo	2 Combo		SFP	LC	Metal	12-48V
SE416	-10~60℃	16	Modbus/TCP	16						Metal	12-48V
SE416-T	-40~75℃	16	Modbus/TCP	16						Metal	12-48V
SE416-EI-T	-40~75℃	16	Etherrnet/IP	16						Metal	12-48V
SE416-PN-T	-40~75℃	16	PROFINET	16						Metal	12-48V
SEC418-2SFP	-10~60℃	18	Modbus/TCP	16	2 Combo	2 Combo		SFP	LC	Metal	12-48V
SEC418-2SFP-T	-40~75℃	18	Modbus/TCP	16	2 Combo	2 Combo		SFP	LC	Metal	12-48V
SEC418-2SFP-EI-T	-40~75℃	18	Etherrnet/IP	16	2 Combo	2 Combo		SFP	LC	Metal	12-48V
SEC418-2SFP-PN-T	-40~75℃	18	PROFINET	16	2 Combo	2 Combo		SFP	LC	Metal	12-48V

◀ **SE500** Series
full L2 managed features

- Up to 28 Gigabit ports for high bandwidth connection
- Sophisticated network security mechanism protection
- Leading IXM™ function ensure RISK-FREE fast deployment
- Smart PoE/PoE+ function management & setting
- UL508, NEMA TS2, EN50121-4 certified

WebAccess/NMS

Application	Mission Critical Application - Intelligent Transportation - Security &Video Surveillance - Energy (Wind, Solar, Metering)
Speed	10/100Mbps & Gigabit
Port count	6, 8, 10, 12, 20, 28
Fiber Option	Up to 20 fiber uplinks
Power Over Ethernet	PoE/PoE+
Operating Temp	-40~75℃
Dual Power Input	DC: 12V-48V DC: 24V-48*(PoE/PoE+ models)
Certification	UL508 NEMA TS2 EN50121-4
Warranty	Limited Lifetime

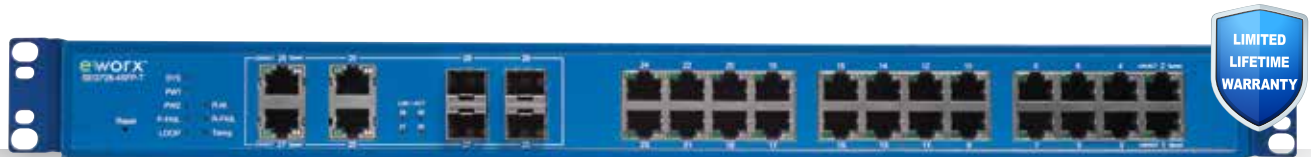| Ordering P/N	Operation Temp.	Total Port Count	RJ45		Fiber				Case Material	Power Input (DC)
			10/100Mbps	Gigabits	100FX	Gigabits	Type	Connector		
SE506-2SFP-T	-40~75℃	6	4			2	SFP	LC - SFP	Metal	12-48V
SEG506-2SFP-T	-40~75℃	6		4		2	SFP	LC - SFP	Metal	12-48V
SE508-4SFP-T	-40~75℃	8	4			4	SFP	LC - SFP	Metal	12-48V
SEP508-4SFP-T	-40~75℃	8	4 (PoE/PoE+)			4	SFP	LC - SFP	Metal	48V
SEG508-4SFP-T	-40~75℃	8		4		4	SFP	LC - SFP	Metal	12-48V
SEGP508-4SFP-T	-40~75℃	8		4 (PoE/PoE+)		4	SFP	LC - SFP	Metal	48V
SEC510-2SFP-T	-40~75℃	10	8	2 Combo		2 Combo	SFP	LC	Metal	12-48V
SECP510-2SFP-T	-40~75℃	10	8 (PoE/PoE+)	2 Combo		2 Combo	SFP	LC	Metal	24-48V
SEG510-2SFP-T	-40~75℃	10		8		2 Combo	SFP	LC	Metal	12-48V
SEGP510-2SFP-T	-40~75℃	10		8 (PoE/PoE+)		2	SFP	LC - SFP	Metal	24-48V
SE512-4SFP-T	-40~75℃	12	8			4	SFP	LC - SFP	Metal	12-48V
SEG512-4SFP-T	-40~75℃	12		8		4	SFP	LC - SFP	Metal	12-48V
SEGP512-4SFP-T	-40~75℃	12		8 (PoE/PoE+)		4	SFP	LC - SFP	Metal	48V
SE520-4SFP-T	-40~75℃	20	16			4	SFP	LC - SFP	Metal	12-48V
SEG520-4SFP-T	-40~75℃	20		16		4	SFP	LC - SFP	Metal	12-48V
SEG528-4SFP-T	-40~70℃	28		24		4 Combo	SFP	LC - SFP	Metal	48V
SEGP528-4SFP-T	-40~70℃	28		24 (PoE/PoE+)		4 Combo	SFP	LC - SFP	Metal	48V

LIMITED LIFETIME WARRANTY

◀ **SE600**Series
NAT & static routing feature

- NAT feature to utilize IP addresses an organization needs
- Static Routing feature to interconnect multiple LAN segments
- Sophisticated network security mechanism protection
- Leading IXM™ function ensure RISK-FREE fast deployment
- UL508, NEMA TS2, EN50121-4 certified

WebAccess/NMS

Application	- Automotive - Machine Automation - Food & Beverage - Oil & Gas
Speed	Gigabit
Port count	12, 28
Fiber Option	Up to 4 fiber uplinks
Power Over Ethernet	-
Operating Temp	-40~75℃
Dual Power Input	DC: 12V-48V
Certification	UL508 NEMA TS2 EN50121-4
Warranty	Limited Lifetime

Ordering P/N	Operation Temp.	Total Port Count	RJ45		Fiber				Case Material	Power Input (DC)
			10/100Mbps	Gigabits	100FX	Gigabits	Type	Connector		
SEG612-4SFP-T	-40~75℃	12		8		4	SFP	LC - SFP	Metal	12-48V
SEG628-4SFP-T	-40~70℃	28		24		4 Combo	SFP	LC - SFP	Metal	48V

▲ **SE700**Series
full L3 managed features

- Full Layer 3 features to support IP routing in the scalable networks
- Up to 4 x 10G ports for high bandwidth uplink connection
- Sophisticated network security mechanism protection
- Leading IXM™ function ensure RISK-FREE fast deployment
- Supports WebAccess/NMS for easy, visualized industrial network management

WebAccess/NMS

Application	Mission Critical Application - Intelligent Transportation - Security &Video Surveillance - Energy (Wind, Solar, Metering)
Speed	Gigabit & 10G
Port count	28
Fiber Option	Up to 4 fiber uplinks
Power Over Ethernet	-
Operating Temp	-40~75℃
Dual Power Input	90 ~ 264VAC/88 ~ 370VDC
Certification	NEMA TS2 EN50121-4
Warranty	Limited Lifetime

Ordering P/N	Operation Temp.	Total Port Count	RJ45		Fiber				Case Material	Power Input (DC)
			10/100Mbps	Gigabits	Gigabits	10G	Type	Connector		
SEG728-4X8SFP-T	-40~75℃	28		16	8 Combo	4	SFP	LC - SFP	Metal	90 ~ 264VAC/88 ~ 370VDC

✚ CONNECTED PLANET
ENABLING SOLUTIONS

Our lives are networked like never before, supported by the machine and information networks working to gather, manage and transform operational data into better living.

We are B+B SmartWorx, powered by Advantech. We enable solutions that add new layers of sophistication to existing machine data networks and provide dramatic new capabilities that ultimately improve a network's efficiency and productivity. Our specialty is advancing secure connectivity at the Network Edge through the use of intelligent wireless and wired communication technologies.

Explore your opportunity with us. Working together to enable a connected planet.

B+B SMARTWORX

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