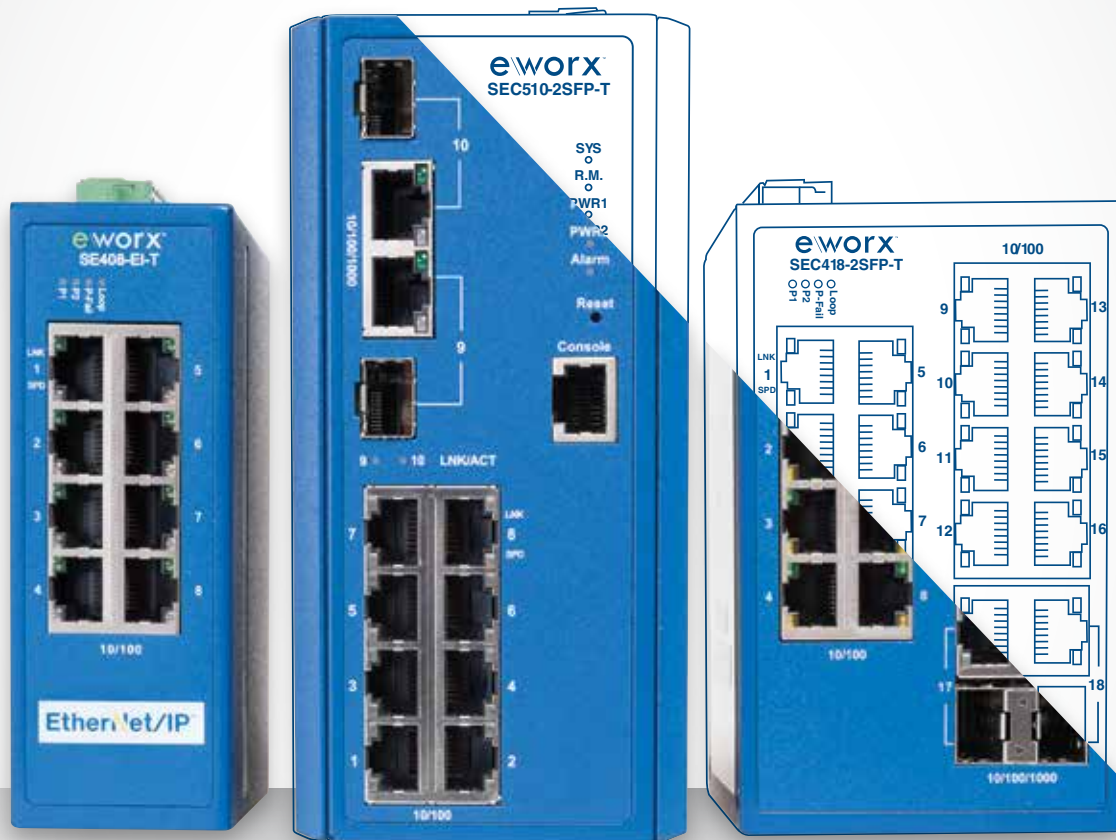




# MANAGED ETHERNET SWITCHES

## Selection Guide



**B+B SMARTWORX**

Powered by

**ADVAANTECH**

Intelligence at the Network Edge

# + 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

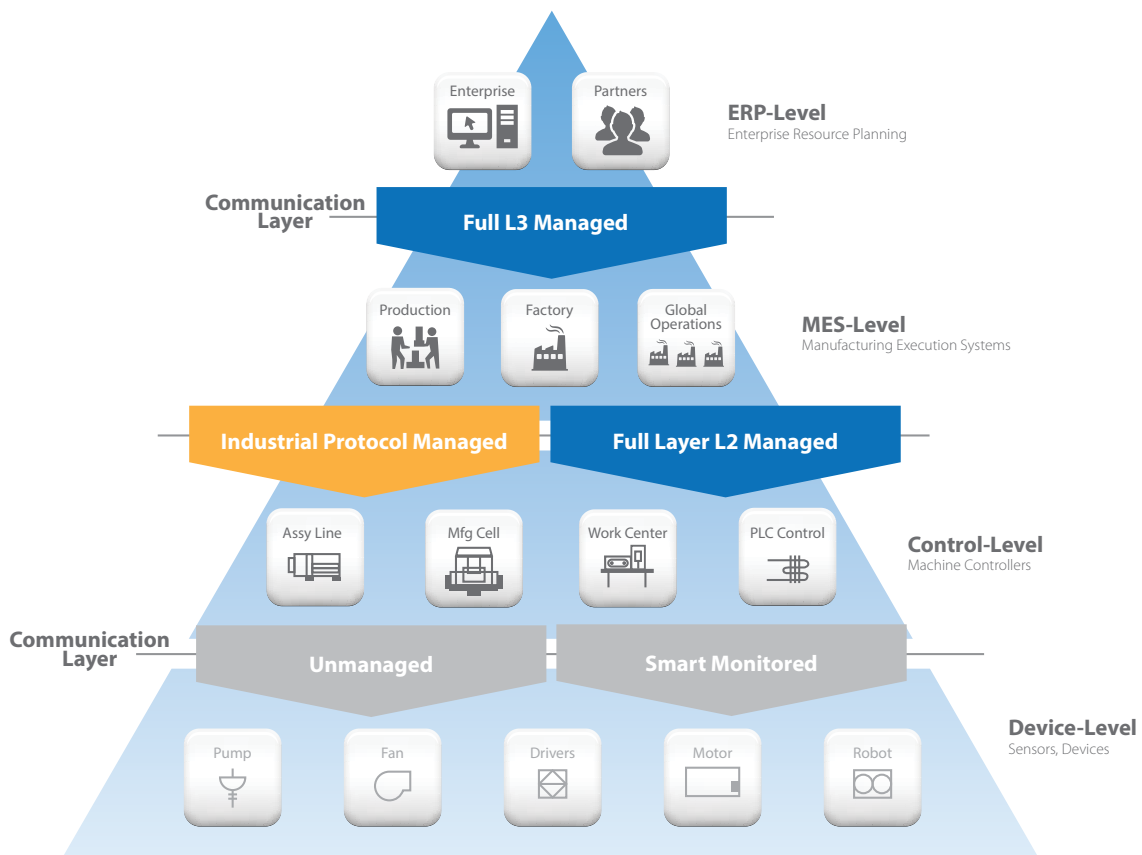
Limiting network access to trusted devices prevents users from setting up unauthorized sub-network. Also limit management plane access via user authentication such as RADIUS, LDAP and others.

### + 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.



# + 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

**Application**

- Automotive
- Machine Automation
- Food & Beverage
- Oil & Gas

<b>Speed</b>	10/100Mbps & Gigabit
<b>Port count</b>	8, 10, 16, 18
<b>Fiber Option</b>	Up to 2 fiber uplinks
<b>Power Over Ethernet</b>	-
<b>Operating Temp</b>	-10~60°C -40~75°C
<b>Dual Power Input</b>	DC: 12V-48V
<b>Certification</b>	UL508 Class I, Division 2 ATEX Zone 2
<b>Warranty</b>	Limited Lifetime

EtherNet/IP™



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°C	8	Modbus/TCP	8						Metal	12-48V
SE408-T	-40~75°C	8	Modbus/TCP	8						Metal	12-48V
SE408-EI-T	-40~75°C	8	Ethernet/IP	8						Metal	12-48V
SE408-PNMA-T	-40~75°C	8	PROFINET Master	8						Metal	12-48V
SE408-PN-T	-40~75°C	8	PROFINET	8						Metal	12-48V
SEC410-2SFP	-10~60°C	10	Modbus/TCP	8	2 Combo		2 Combo	SFP	LC	Metal	12-48V
SEC410-2SFP-T	-40~75°C	10	Modbus/TCP	8	2 Combo		2 Combo	SFP	LC	Metal	12-48V
SEC410-2SFP-EI-T	-40~75°C	10	Ethernet/IP	8	2 Combo		2 Combo	SFP	LC	Metal	12-48V
SEC410-2SFP-PN-T	-40~75°C	10	PROFINET	8	2 Combo		2 Combo	SFP	LC	Metal	12-48V
SE416	-10~60°C	16	Modbus/TCP	16						Metal	12-48V
SE416-T	-40~75°C	16	Modbus/TCP	16						Metal	12-48V
SE416-EI-T	-40~75°C	16	Ethernet/IP	16						Metal	12-48V
SE416-PN-T	-40~75°C	16	PROFINET	16						Metal	12-48V
SEC418-2SFP	-10~60°C	18	Modbus/TCP	16	2 Combo		2 Combo	SFP	LC	Metal	12-48V
SEC418-2SFP-T	-40~75°C	18	Modbus/TCP	16	2 Combo		2 Combo	SFP	LC	Metal	12-48V
SEC418-2SFP-EI-T	-40~75°C	18	Ethernet/IP	16	2 Combo		2 Combo	SFP	LC	Metal	12-48V
SEC418-2SFP-PN-T	-40~75°C	18	PROFINET	16	2 Combo		2 Combo	SFP	LC	Metal	12-48V



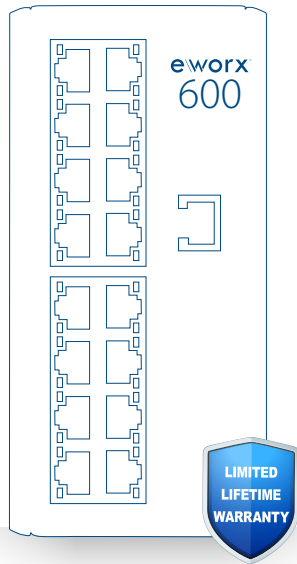
## SE500 Series full L2 managed features

- 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

<b>Application</b>	Mission Critical Application - Intelligent Transportation - Security & Video Surveillance - Energy (Wind, Solar, Metering)
<b>Speed</b>	10/100Mbps & Gigabit
<b>Port count</b>	6, 8, 10, 12, 20, 28
<b>Fiber Option</b>	Up to 20 fiber uplinks
<b>Power Over Ethernet</b>	PoE/PoE+
<b>Operating Temp</b>	-40~75°C
<b>Dual Power Input</b>	DC: 12V-48V DC: 24V-48V*(PoE/PoE+ models)
<b>Certification</b>	UL508 NEMA TS2 EN50121-4
<b>Warranty</b>	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°C	6	4			2	SFP	LC - SFP	Metal	12-48V
SEG506-2SFP-T	-40~75°C	6		4		2	SFP	LC - SFP	Metal	12-48V
SE508-4SFP-T	-40~75°C	8	4			4	SFP	LC - SFP	Metal	12-48V
SEP508-4SFP-T	-40~75°C	8	4 (PoE/PoE+)			4	SFP	LC - SFP	Metal	48V
SEG508-4SFP-T	-40~75°C	8		4		4	SFP	LC - SFP	Metal	12-48V
SEGP508-4SFP-T	-40~75°C	8		4 (PoE/PoE+)		4	SFP	LC - SFP	Metal	48V
SEC510-2SFP-T	-40~75°C	10	8	2 Combo		2 Combo	SFP	LC	Metal	12-48V
SECP510-2SFP-T	-40~75°C	10	8 (PoE/PoE+)	2 Combo		2 Combo	SFP	LC	Metal	24-48V
SEG510-2SFP-T	-40~75°C	10		8		2 Combo	SFP	LC	Metal	12-48V
SEGP510-2SFP-T	-40~75°C	10		8 (PoE/PoE+)		2	SFP	LC - SFP	Metal	24-48V
SE512-4SFP-T	-40~75°C	12	8			4	SFP	LC - SFP	Metal	12-48V
SEG512-4SFP-T	-40~75°C	12		8		4	SFP	LC - SFP	Metal	12-48V
SEGP512-4SFP-T	-40~75°C	12		8 (PoE/PoE+)		4	SFP	LC - SFP	Metal	48V
SE520-4SFP-T	-40~75°C	20	16			4	SFP	LC - SFP	Metal	12-48V
SEG520-4SFP-T	-40~75°C	20		16		4	SFP	LC - SFP	Metal	12-48V
SE528-4SFP-T	-40~70°C	28		24		4 Combo	SFP	LC - SFP	Metal	48V
SEGP528-4SFP-T	-40~70°C	28		24 (PoE/PoE+)		4 Combo	SFP	LC - SFP	Metal	48V



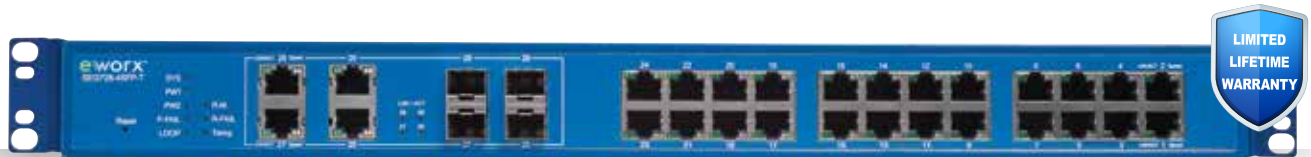
## SE600 Series NAT & static routing feature

- 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

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°C
Dual Power Input	DC: 12V-48V
Certification	UL508 NEMA TS2 EN50121-4
Warranty	Limited Lifetime

### WebAccess/NMS

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°C	12		8		4	SFP	LC - SFP	Metal	12-48V
SEG628-4SFP-T	-40~70°C	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

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°C
Dual Power Input	90 ~ 264VAC/88 ~ 370VDC
Certification	NEMA TS2 EN50121-4
Warranty	Limited Lifetime

### WebAccess/NMS

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°C	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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**ADVANTECH**

#### Worldwide Headquarters

ADVANTECH  
No.1, Alley20, Lane26, Rueiguang Road  
Neihu District, Taipei 11491  
Taiwan, R.O.C  
Phone: 0800-777-111  
[www.advantech.com](http://www.advantech.com)

#### European Headquarters

Oranmore, Co. Galway, Ireland  
Phone: +353 91 792444  
Fax: +353 91 792445  
[eSales@advantech-bb.com](mailto:eSales@advantech-bb.com)

#### Corporate Headquarters

707 Dayton Road  
Ottawa, IL 61350 USA  
Phone: 1-815-433-5100  
Fax: 1-815-433-5109  
[orders@advantech-bb.com](mailto:orders@advantech-bb.com)  
[www.advantech-bb.com](http://www.advantech-bb.com)

#### Middle East, UAE, Africa

[mdeast-afrsales@advantech-bb.com](mailto:mdeast-afrsales@advantech-bb.com)  
Mobile: +971 50 943 65 62  
AG Silver Tower, JLT, P.O. Box 48777  
Dubai, UAE

#### Cellular Product Group

Sokolská 71, 562 04 Ústí nad Orlicí III.  
Czech Republic  
Phone: +420 465 521 020  
Fax: +420 464 647 299  
GSM: +420 603 872 287  
[cellularsales@advantech-bb.com](mailto:cellularsales@advantech-bb.com)

#### Latin America, Caribbean

[latamsales@advantech-bb.com](mailto:latamsales@advantech-bb.com)  
Phone: 1-727-797-0300  
Cell: 1-727-480-5920

#### OEM & Product Modification

Phone: 815-433-5222  
Fax: 815-433-5104  
Attn: Custom Dept.  
[custom@advantech-bb.com](mailto:custom@advantech-bb.com)  
Custom Quote Request Form:  
<http://advantech-bb.com/custom>