



EtherWAN

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SmartE series



Agenda



1. Portfolio Overview
2. Features
3. Application
4. Ordering Information



SmartE series - Overview

Hardened Lite Managed 5 to 16-port Fast/Gigabit Ethernet switch

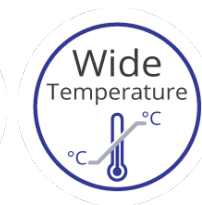


● Hardened grade hardware design

- Fanless design
- Ruggedized metal housing
- IP30 protection rating
- Wide operating temperature range: -40 to 75°C

● Perfect match of software features for edge applications






- Easy to deploy & configure
- Layer 2 key feature support: DHCP, IGMP, VLAN, QoS, RSTP
- Simple management via web browser, CLI, and SNMP
- Digital alarm output for device status detection



SmartE series - Portfolio

Hardened Lite Managed Fast/Gigabit Ethernet switches



Model No.	SF300-xxxx			SG300-xxxx	
Transmission Speed	Fast Ethernet (100Mbps)			Gigabit Ethernet (1000Mbps)	
Variants	5-port	8-port	16-port	8-port	16-port
	SF300-05	SF300-08 SF300-0602	SF300-16 SF300-1402	SG300-08 SG300-0602	SG300-16 SG300-120202c
Operating Temperature	-40 to 75°C				
Power inputs	12-57VDC (Redundant powers)				
Dimensions (W x H x D)	5, 8-port: 45 x 130 x 125.5 mm 16-port: 85 x 130 x 125.5 mm				
Regulatory	    				

SmartE series - Portfolio

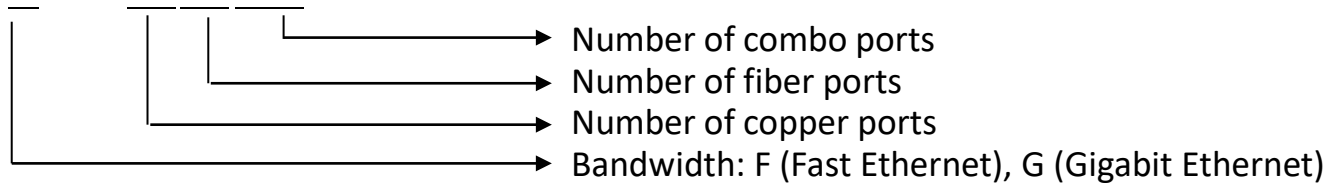


- Complete product portfolio:

	Models	Copper ports		SFP Fiber ports	
		10/100 Mbps	10/100/1000 Mbps	100 Mbps	100/1000 Mbps
Fast Ethernet (SF300 models)	SF300-05	5 x RJ45			
	SF300-08	8 x RJ45			
	SF300-0602	6 x RJ45		2 x SFP	
	SF300-16	16 x RJ45			
	SF300-1402	14 x RJ45		2 x SFP	
Gigabit Ethernet (SG300 models)	SG300-08		8 x RJ45		
	SG300-0602		6 x RJ45		2 x SFP
	SG300-16		16 x RJ45		
	SG300-120202c		12 x RJ45		2 x SFP, 2 x Combo

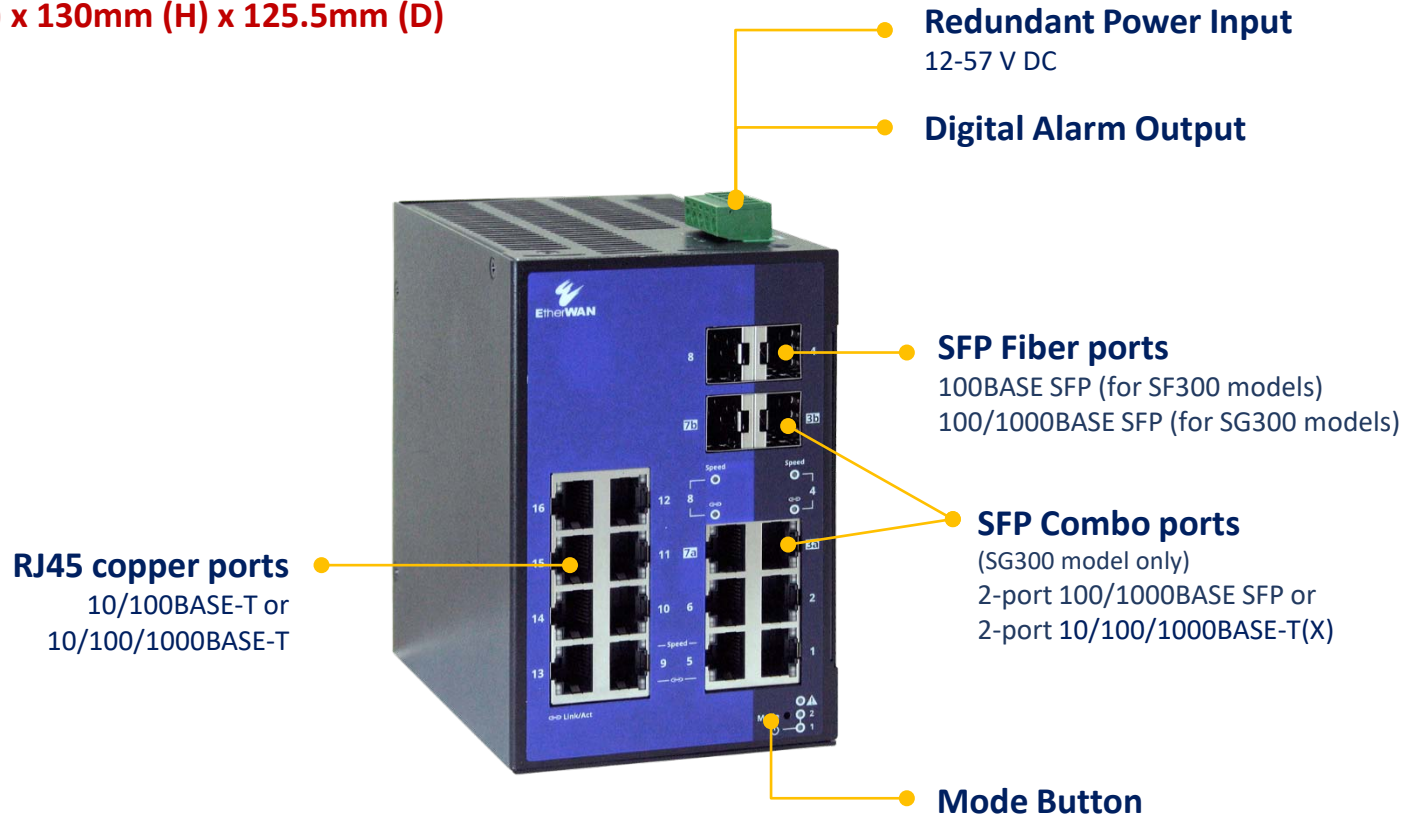
- Product Naming:

SG300-12 02 02c



SmartE series - Outlook

- **5-port, 8-port Dimensions:**
45mm (W) x 130mm (H) x 125.5mm (D)
- **16-port Dimensions:**
85mm (W) x 130mm (H) x 125.5mm (D)



SmartE series – Software Feature Set



Configuration

- Web-GUI management (HTTP/HTTPS)
- Mode button
- CLI (Telnet/SSH)

Network Redundancy

- RSTP (IEEE802.1w)
- Fast Ring Detection
- Large Tree Support

Security

- Web security: HTTPS, SSL
- CLI/Telnet security: SSH
- Complex password support
- IEEE 802.1x RADIUS Authentication
- MAC Address filtering
- Enable/Disable port

Management

- Tag VLANs (IEEE 802.1Q)
- DHCP Client/Server/Option 82
- IGMP Snooping v1/v2
- LLDP (Link Layer Discovery Protocol)
- Link Aggregation (LACP)
- SNTP (Simple Network Time Protocol)
- Port mirroring
- RMON (SNMP only)
- SNMPv1/v2c/v3

Quality of Service (QoS)

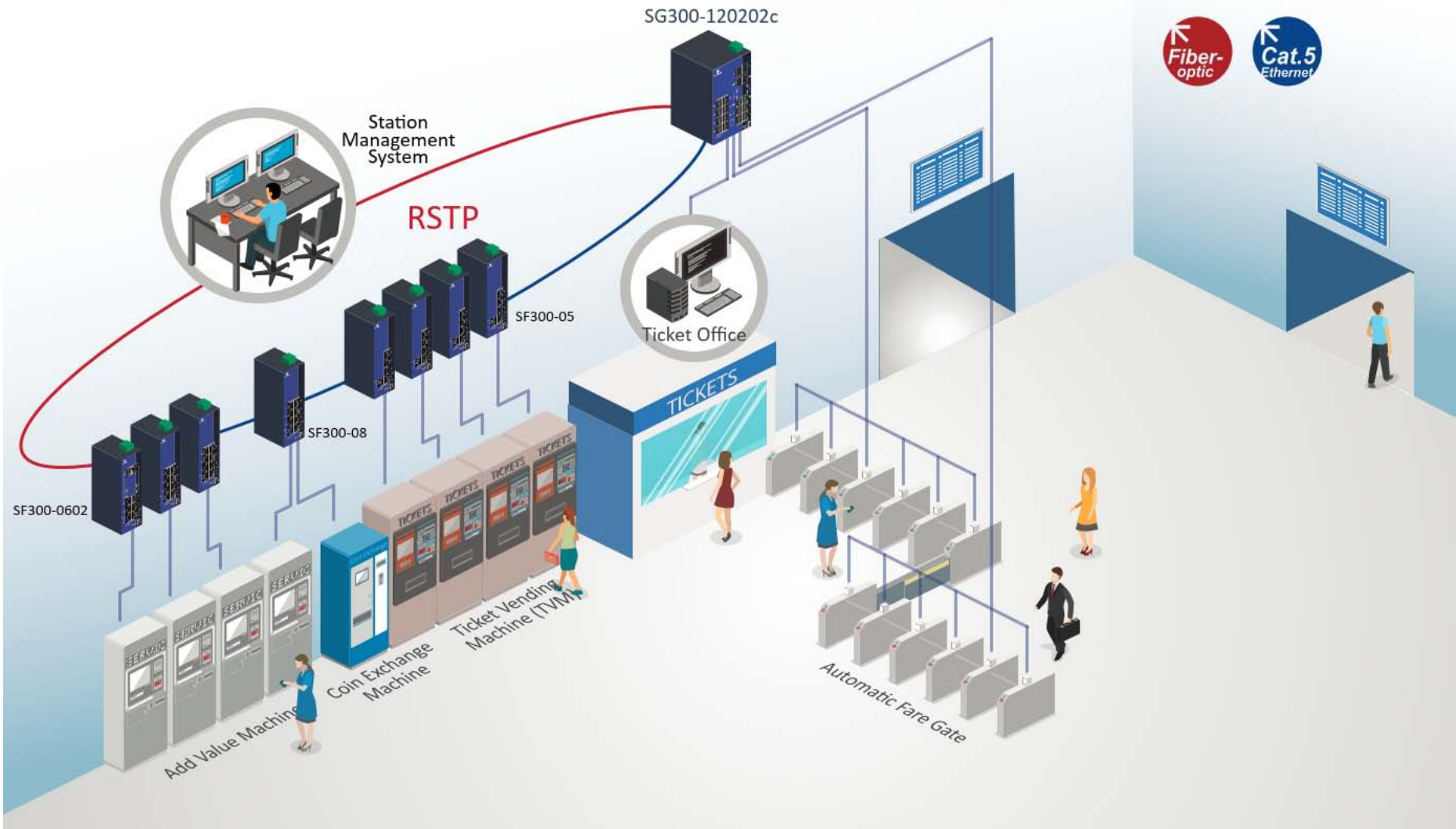
- Traffic classification based on IEEE 802.1p CoS (Cost of Service)
- DSCP (Differentiated Services Code Point)
- WRR (Weighted Round Robin) and strict mode

Performance

- 9K Jumbo Frame (only SG300 models)
- Total VLAN Entries: 32

SmartE series – Application Example

Automatic Fare Collection Application



SmartE series - Application Segmentation

Edge

Core

Automatic Fare Collection System



Requirements:

- Remote management
- Confidential data segmentation
- Network redundancy
- Simple configuration

Typical application profile:

- Edge connectivity
- Small network topology

Best fit in wire communication equipment:

- Lite managed Ethernet switch

Traffic Management System



Requirements:

- Advance software functions are implemented
- High electromagnetic compatibility (EMC)
- Network redundancy with fast recovery time
- Advance network security

Typical application profile:

- Traffic intersection monitoring
- Heavy duty

Best fit in wire communication equipment:

- Layer 2 Managed Ethernet switch
- Lite Layer 3 Managed Ethernet switch

Traffic Management Center



Requirements:

- Enhanced software functions
- Fast routing and routing redundancy
- 10 Gigabit backbone connection
- High port density supported

Typical application profile:

- Uplink concentration point
- Heavy duty

Best fit in wire communication equipment:

- Lite Layer 3 Managed Ethernet switch
- Layer 3 Managed Ethernet switch

→ EtherWAN SmartE!

SmartE series – Ordering information

Fast Ethernet Models

- **SF300-05:** 5-port 10/100BASE-T(X)
- **SF300-08:** 8-port 10/100BASE-T(X)
- **SF300-0602:** 6-port 10/100BASE-T(X) + 2-port 100BASE SFP
- **SF300-16:** 16-port 10/100BASE-T(X)
- **SF300-1402:** 14-port 10/100BASE-T(X) + 2-port 100BASE SFP

Gigabit Ethernet Models

- **SG300-08:** 8-port 10/100/1000BASE-T(X)
- **SG300-0602:** 6-port 10/100/1000BASE-T(X) + 2-port 100/1000BASE SFP
- **SG300-16:** 16-port 10/100/1000BASE-T(X)
- **SG300-120202c:** 12-port 10/100/1000BASE-T(X) + 2-port 100/1000BASE SFP Combo + 2-port 100/1000BASE SFP

- **Accessories**

- DIN-Rail power supplies
- Hardened 100BASE SFP modules
- Hardened Gigabit SFP modules

*SFP selection guide is online now! Check [HERE](#)

