



PoE Switch Comparison Table



		Full Management Series			Web Smart Series		
Product Name		SW-2421FM-250	SW-1621FM-250	SW-0821FM-120	SW-2440WS-250	SW-1640WS-250	SW-0820WS-120
Ports							
10/100/1000M RJ45 POE Ports		24	16	8	24	16	8
Uplink Port	10/100/1000M RJ45 Uplink Port (exclusive)	2	2	2	0	0	1
	100/1000Base-X SFP	2	2	2	4	4	1
	10/100/1000M RJ45 Uplink Port (inclusive)	0	0	0	4 (Port1-4)	4 (Port1-4)	0
Command Line Port		1	1	1	0	0	0
Performance							
Buffer Memory		4Mbits	4Mbits	4Mbits	4Mbits	4Mbits	4Mbits
MAC Address Table Size		8K records	8K records	8K records	4K records	4K records	4K records
Backplane Capacity		52Gbps	36Gbps	20Gbps	48Gbps	32Gbps	20Gbps
Forwarding Rate		38.688Mpps	26.784Mpps	14.88Mpps	35.71Mpps	23.81Mpps	14.88Mpps
Jumbo Frame Size		9.6KB	9.6KB	9.6KB	9.6KB	9.6KB	9.6KB
PoE							
IEEE 802.3 af/at Standard Compatible		0	0	0	0	0	0
Number of PoE Out Ports		24	16	8	24	16	8
Max. Power Budget (PoE ports)		250W	250W	120W	250W	250W	120W
Max. PoE Output Power per Port (Adjustable)		30W	30W	30W	30W	30W	30W
External/Internal Power		Internal Power	Internal Power	Internal Power	Internal Power	Internal Power	Internal Power
Power Device (PD) Auto Detection		0	0	0	0	0	0
Power Device (PD) Alive Check		0	0	0	-	-	-
Enable/Disable PoE Per Port		0	0	0	0	0	0
Overloading Protection		0	0	0	0	0	0
Priority Setting Per Port		0	0	0	-	-	-
Power Level Setting Per Port		0	0	0	-	-	-
Layer 2 Features							
Auto-negotiation		0	0	0	0	0	0
Auto MDI/MDIX		0	0	0	0	0	0
Flow Control	802.3x (in full-duplex)	0	0	0	0	0	0
	Back-Pressure (in half-duplex)	0	0	0	0	0	0
Spanning Tree	IEEE 802.1D (STP)	0	0	0	0	0	-
	IEEE 802.1w (RSTP)	0	0	0	0	0	-
	IEEE802.1s (MSTP)	0	0	0	-	-	-
Link Aggregation (Trunking)	Static Trunk	0	0	0	0	0	0
Max. LACP Link Aggregation Group		13	9	5	8	8	8
Max. Port per Link Aggregation Group		8	8	8	8	8	8
IGMP Snooping (IPv4 Multi-cast)	v1	0	0	0	0	0	0
	v2	0	0	0	0	0	0
	v3	0	0	0	-	-	-
IPv6 MLD Snooping (IPv6 Multi-cast)	v1	0	0	0	-	-	-
	v2	0	0	0	-	-	-



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Layer 2 Features							
VLAN	VLAN Group (Port-based)	4095	4095	4095	16	16	16
	VLAN Group (Tag-based)	4095	4095	4095	16	16	16
	Protocol-based VLAN	0	0	0	-	-	-
	Voice VLAN	0	0	0	-	-	-
	Multicast VLAN Registration (MVR)	0	0	0	-	-	-
QoS Features							
Number of priority queue		9	8	8	-	-	-
CoS	IP DSCP	0	0	0	0	0	0
	IEEE 802.1p	0	0	0	0	0	0
Rate Limiting	Ingress	0	0	0	-	-	-
	Egress	0	0	0	-	-	-
	Per Port	0	0	0	-	-	-
Priority Queue Scheduling	WRR	0	0	0	-	-	-
	DSCP & Class of Service	0	0	0	-	-	-
Security							
IEEE 802.1x	RADIUS Authentication	0	0	0	-	-	-
	TACACS+	0	0	0	-	-	-
SSL		0	0	0	-	-	-
SSH		0	0	0	-	-	-
Port security		0	0	0	-	-	-
IP Source Guard		0	0	0	-	-	-
Storm Control		0	0	0	0	0	0
RADIUS/TACACS+		0	0	0	-	-	-
Loop Detection		0	0	0	0	0	0
Management							
Command Line Interface		0	0	0	-	-	-
Web Based Management		0	0	0	0	0	0
Firmware Upgrade via HTTP		0	0	0	0	0	0
Dual Firmware Images		0	0	0	-	-	-
Configuration Download/Upload		0	0	0	0	0	0
Ping		0	0	0	0	0	0
LLDP (Link Layer Discovery Protocol)	IEEE 802.1ab	0	0	0	0	0	0
NTP		0	0	0	-	-	-
Port Mirroring		0	0	0	0	0	0
SNMP(v1/v2c/v3)		0	0	0	-	-	-
RMON(Remote Network Monitoring)		0	0	0	-	-	-
DHCP	DHCP Server	0	0	0	-	-	-
	DHCP Client	0	0	0	-	-	-
	DHCP Relay	0	0	0	-	-	-
	DHCP Snooping	0	0	0	-	-	-
UPnP		0	0	0	-	-	-
S-Flow (Sampled Flow)		0	0	0	-	-	-



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General							
Power Input		100~240VAC	100~240VAC	100~240VAC	100~240VAC	100~240VAC	100~240VAC
Dimension (H*W*D)		44 x 440 x 331 mm	44 x 330 x 210 mm	44 x 330 x 210 mm	44 x 440 x 331 mm	44 x 440 x 331 mm	44 x 266 x 161 mm
LED		Power, PoE, Link/Act, SFP	Power, PoE, Link/Act, SFP	Power, PoE, Link/Act, SFP	Power, PoE, Link/Act	Power, PoE, Link/Act	Power, PoE, Link/Act
Operating Temperature		0~45°C	0~45°C	0~45°C	0~45°C	0~45°C	0~45°C
Storage Temperature		-20~80°C	-20~80°C	-20~80°C	-20~80°C	-20~80°C	-20~80°C
Operating Humidity		5~90% (non-condensing)	5~90% (non-condensing)	5~90% (non-condensing)	5~90% (non-condensing)	5~90% (non-condensing)	5~90% (non-condensing)
Net Weight		4.5 KG	2.5 KG	2.2 KG	4.6 KG	4 KG	1.8 KG
Mounting		Rack Mount	Rack Mount	Rack Mount	Rack Mount	Rack Mount	Compact
Certification		CE, FCC, VCCI	CE, FCC, VCCI	CE, FCC, VCCI	CE, FCC, VCCI	CE, FCC, VCCI	CE, FCC, VCCI
Packaging (1CTN/?BOX)		3 BOX	4 BOX	4 BOX	3 BOX	3 BOX	10 BOX
Package Dimension (H*W*D)		54x32x44 cm	48x44x34 cm	48x44x34 cm	54x32x44 cm	54x32x44 cm	62x37x26 cm
Carton Gross Weight		18.7kg	16.8kg	15.8kg	18.1kg	17kg	22.5kg
Box Gross Weight		6.23kg	4.20kg	3.95kg	6.03kg	5.5kg	2.25kg
Standard							
IEEE 802.3 - 10BaseT		0	0	0	0	0	0
IEEE 802.3u - 100BaseTX		0	0	0	0	0	0
IEEE 802.3ab - 1000BaseT		0	0	0	0	0	0
IEEE 802.3z 1000 Base-SX/LX		0	0	0	0	0	0
IEEE 802.3af Power over Ethernet (PoE)		0	0	0	0	0	0
IEEE 802.3at Power over Ethernet (PoE+)		0	0	0	0	0	0
IEEE 802.3az - Energy Efficient Ethernet (EEE)		0	0	0	-	-	0
IEEE 802.3x - Flow Control		0	0	0	0	0	0
IEEE 802.1Q - VLAN		0	0	0	0	0	0
IEEE802.1v - Protocol VLAN		0	0	0	-	-	-
IEEE 802.1p - Class of Service		0	0	0	0	0	0
IEEE 802.1D - Spanning Tree		0	0	0	0	0	-
IEEE 802.1w - Rapid Spanning Tree		0	0	0	0	0	-
IEEE 802.1s - Multiple Spanning Tree		0	0	0	-	-	-
IEEE 802.3ad - Link Aggregation Control Protocol (LACP)		0	0	0	0	0	0
IEEE 802.1AB - LLDP (Link Layer Discovery Protocol)		0	0	0	0	0	0
IEEE 802.1X - Access Control		0	0	0	0	0	-
IEEE 802.3az - EEE (Energy-Efficient Ethernet)		-	-	-	-	-	0