F**E**RTINET.

DATA SHEET

FortiSwitch[™] Rugged

High performance for harsh environments

FortiSwitch Rugged switches deliver all of the performance and security of the trusted FortiSwitch Secure, Simple, Scalable Ethernet solution, but with added reinforcement that makes them ideal for deployments in harsh environments.

Resilient, sturdy and capable of withstanding intense temperature fluctuations, FortiSwitch Rugged ensures the integrity and performance of mission-critical networks in even the most challenging of deployments.

Add Ruggedized FortiGate for Tough and Powerful Protection

Engineered to survive in hostile environments with an extreme temperature range, the combination of FortiGate Rugged network security appliances with the FortiSwitch Rugged provides a connected network security solution.

Simple Network Deployment

The Power over Ethernet (PoE) capability enables simple installation of cameras, sensors and wireless access points in the network, with power and data delivered over the same network cable.

There is no need to contract electricians to install power for your PoE devices, reducing your overall network TCO.



Highlights

- Mean time between failure greater than 25 years
- Fanless passive cooling
- DIN-rail or wall-mountable
- Power over Ethernet capable including PoE+
- Redundant power input terminals

Key Features and Benefits

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Sturdy IP30 construction	Built to ingress protection 30 standards, the construction is designed to perform while enduring hostile conditions.
Passive cooling	With no fan and no moving parts, the mean time between failure is greater than 25 years.
Redundant power inputs	Maximizes network availability by eliminating the downtime associated with failure of a power input.
Power over Ethernet capability	Seamless integration of peripheral devices such as cameras, sensors and wireless access points into the network.

Features

	FORTISWITCH D-SERIES FORTILINK MODE (WITH FORTIGATE)
Management and Configuration	
Auto Discovery of Multiple Switches	Yes
Number of Managed Switches per FortiGate	8 to 256 Depending on FortiGate Model (Please refer to admin-guide)
FortiLink Stacking (Auto Inter-Switch Links)	Yes
Software Upgrade of Switches	Yes
Centralized VLAN Configuration	Yes
Switch POE Control	Yes
Link Aggregation Configuration	Yes
Spanning Tree	Yes
LLDP/MED	Yes
IGMP Snooping	Yes (FSR-124D)
L3 Routing and Services	Yes (FortiGate)
Policy-based Routing	Yes (FortiGate)
Virtual Domain	Yes (FortiGate)
Security and Visibility	
802.1x Authentication (Port-based, MAC-based, MAB)	Yes
Syslog Collection	Yes
DHCP Snooping	Yes
Device Detection	Yes
MAC Black/While Listing	Yes (FortiGate)
Policy Control of Users and Devices	Yes (FortiGate)
UTM Features	
Firewall	Yes (FortiGate)
IPC, AV, Application Control, Botnet	Yes (FortiGate)
High Availability	
Support FortiLink FortiGate in HA Cluster	Yes
LAG support for FortiLink Connection	Yes

	FORTISWITCH D-SERIES STANDALONE MODE
Layer 2	
Jumbo Frames	Yes
Auto-negotiation for port speed and duplex	Yes
IEEE 802.1D MAC Bridging/STP	Yes
IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)	Yes
IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)	Yes
STP Root Guard	Yes
Edge Port / Port Fast	Yes
IEEE 802.1Q VLAN Tagging	Yes
Private VLAN	Yes (except FS-108D-POE, FS-224D-POE)
IEEE 802.3ad Link Aggregation with LACP	Yes
Unicast/Multicast traffic balance over trunking port (dst-ip, dst-mac, src-dst-ip, src-dst-mac, src-ip, src-mac)	Yes
IEEE 802.1AX Link Aggregation	Yes
Spanning Tree Instances (MSTP/CST)	15/1
IEEE 802.3x Flow Control and back-pressure	Yes
IEEE 802.3 10Base-T	Yes
IEEE 802.3u 100Base-TX	Yes
IEEE 802.3z 1000Base-SX/LX	Yes
IEEE 802.3ab 1000Base-T	Yes
IEEE 802.3 CSMA/CD Access Method and Physical Layer Specifications	Yes
Storm Control	Yes (except FS-108D-POE, FS-224D-POE)
MAC, IP, Ethertype-based VLANs	Yes
Virtual-Wire	Yes
Time-Domain Reflectcometry (TDR) Support	Yes (FSR-124D)

Features

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PeriadNon-Carrino Carrino C	Security and Visibility	
Admin Administration Via PirC 2865 FADUISYesEEE 802 L1 Audministration Via PisasedYesEEE 802 L1 Audministration Via PisasedYesEEE 802 L1 K Guest and Faltase VLANYesEEE 802 L1 K Audministration Via PisagimmentYesEEE 802 L1 K Audministration Via PisagimmentYeseBookYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYesAGLYes <td></td> <td>Yes</td>		Yes
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IEEE 802.1x MAC Access Bypass (MAB)NoIEEE 802.1x Dynamic VLA AssignmentNoSilvNoACLNoACLNoACLNoACLNoACLNoACLNoDEEE 802.1a Link per Discovery Protocol (LDP)NoBEE 802.1a Link per Discovery Protocol (LDP)NoDer AssocopingNoDer AssocopingNoNoNo <tr< td=""><td>IEEE 802.1x Authentication MAC-based</td><td>Yes</td></tr<>	IEEE 802.1x Authentication MAC-based	Yes
IEEE 802.1x Dynamic VLAN AssignmentYesSRowYesACLYesACLYesIEEE 802.1ab Link Layer Discovery Protocol (LLOP)YesIEEE 802.1ab Link Layer Discovery Protocol (LLOP)YesDFDP-SmoogingYesDoramic APP InsportionYesDate MAC Lant APP InsportionYesDate MAC Lant APP InsportionYesDiscovery Protocol (LLOP)YesDiscovery Protocol (LLOP)YesProtocovery Protocol (LLOP)YesDiscovery Protocovery Protocove	IEEE 802.1x Guest and Fallback VLAN	Yes
IEEE 802.1x Dynamic VLAN AssignmentYesSRowYesACLYesACLYesIEEE 802.1ab Link Layer Discovery Protocol (LLOP)YesIEEE 802.1ab Link Layer Discovery Protocol (LLOP)YesDFDP-SmoogingYesDoramic APP InsportionYesDate MAC Lant APP InsportionYesDate MAC Lant APP InsportionYesDiscovery Protocol (LLOP)YesDiscovery Protocol (LLOP)YesProtocovery Protocol (LLOP)YesDiscovery Protocovery Protocove	IEEE 802.1x MAC Access Bypass (MAB)	Yes
ACI Yes (FSR-1240) IEEE 802: 1ab Link Layer Discovery Protocol (LDP) Yes IEEE 802: 1ab Link Layer Discovery Protocol (LDP) Yes EEE 802: 1ab Link Layer Discovery Protocol (LDP) Yes Drynamic APP Inspection Yes Dynamic APP Inspection Yes Outary of Service Yes Cuality of Service Yes (FSR-1240) Quality of Service Yes (FSR-1240) Management Yes (FSR-1240) P4 and IPA Ge Management Yes P4 and IPA Ge Management Yes P4 and IPA Ge Management Yes SMP v1 ACXA Yes SMP v1 ACXA Yes SMP v1 ACXA Yes SMP v1 ACXA Yes Surger from FortiGate Yes Software dominadiv/poids: TETP/FFVGU Yes Managent from FortiGate Yes Surger for THTP REST APIs for Configuration and Monitoring Yes PFC 2571 Architecture for Describing SMMP Framework Yes Dif C Cli		Yes
IEEE 82:1ab LIAE Layer Discover Protocol (LDP)YesIEEE 82:1ab LIDP-MEDYesDRP-SnoopingYesDynamic ARP InspectionYesStick MAC and MAC LimitYes (SSI-1240)Quality of ServiceYes (SSI-1240)EEE 802:1p Based Priority QueuingYes (SSI-1240)P Stors Desced Priority QueuingYes (SSI-1240)P Stors Desced Priority QueuingYes (SSI-1240)P Stors DESP Based Priority QueuingYes (SSI-1240)P Stors DESP Based Priority QueuingYes (SSI-1240)P A and IP-6 ManagementYesIFTEP / HTTPSYesStrift Z All AnsagementYesVITP / HTTPSYesStrift Z All AnsagementYesStrift Z All AnsagementYesStrift Z All AnsagementYesStrift Z All AnsagementYesStrift Z All Ansage C All AnsagementYesStrift Z All Ansage C All AnsagementYesStrift Z All Ansage C All Ansage C All AnsageYesStrift Z All Ansage C All Ansage C All AnsageYesStrift Z All Ansage C	sFlow	Yes
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Quality of Service IEEE 802.1p Based Priority Queuing Yes (FSR-124D) IP TOS/DSCP Based Priority Queuing Yes (FSR-124D) Management Yes IPV4 and IPv6 Management Yes Toint / SSH Yes HTTP / HTTPS Yes SIMP v1/v2/v3 Yes SIMP v1/v2/v3 Yes Sindard CLI and web GUI interface Yes Software download/upload: ITFP/FTP/GUI Yes Managed from FortiGate Yes Software download/upload: ITFP/FTP/GUI Yes RC 2571 Achtecture for Describing SIMP Framework Yes RC 2571 Achtecture for Describing SIMP Framework Yes PC 2864 Feinet Everer Yes RFC 2581 Achtecture for Describing SIMP Framework Yes RFC 2513 Achtecture for Describing SIMP Framework Yes RFC 252 SIMP Message Processing and	Dynamic ARP Inspection	Yes
IEEE 802.1p Based Priority Queuing Yes (FSR-124D) Management Yes IP4 and IP6 Management Yes Telnet / SSH Yes Telnet / SSH Yes SIMP Y1/A2cV3 Yes SIMP Y1/A2cV3 Yes Standard CLI and web GUI Interface Yes Softward CLI and web GUI Interface Yes Software download/upload: TFTP/FIP/GUI Yes Managed from FortiGate Yes Support for HTTP REST APIs for Configuration and Monitoring Yes Additional RFC and MIB Support Yes RFC 2571 Architecture for Describing SNMP Framework Yes RFC 2656 ADULS Yes RFC 1643 Ethernet-like Interface MIB Yes RFC 1643 Ethernet-like Interface MIB Yes RFC 1573 NUMP MIB II Yes RFC 1575 NUMP MIB II Yes	Sticky MAC and MAC Limit	Yes (FSR-124D)
IP TOS/DSCP Based Priority Queuing Yes (PSR-124D) Management Yes IPv4 and IPv6 Management Yes Teinert / SSH Yes Teinert / SSH Yes MTTP / HTTPS Yes SNMP v1/v2c/v3 Yes SNTP Yes Standard CUI and web GUI interface Yes Software download/upload. TFTP/FTP/GUI Yes Managed from FortiGate Yes Suport for HTTP REST APIs for Configuration and Monitoring Yes Additional RFC and MIB Support Yes RFC 2571 Architecture for Describing SNMP Framework Yes DHCP Client Yes RFC 2654 Talenet Server Yes RFC 1643 Ehrenet-like Interface MIB Yes RFC 2575 SNMP Mie Sauge Processing and Dis	Quality of Service	
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IPv4 and IPv6 Management Yes Telnet / SSH Yes HTTP / HTTPS Yes SNMP 1/v2c/v3 Yes SNTP Yes Standard CLI and web GUI interface Yes Software download/upload: TFTP/FTP/GUI Yes Software download/upload: TFTP/FTP/GUI Yes Support for HTTP REST APIs for Configuration and Monitoring Yes Additional RFC and MIB Support Yes Additional RFC and MIB Support Yes RFC 257 Architecture for Describing SNMP Framework Yes DICP Client Yes RFC 284 Fleint Server Yes RFC 284 Fleint Server Yes RFC 1843 Ethemet-like Interface MIB Yes RFC 1843 Ethemet-like Interface MIB Yes RFC 1843 Ethemet Processing and Dispatching Yes RFC 1843 IP Forwarding Table MIB Yes RFC 1873 SNMP MIB II Yes RFC 1873 SNMP MIB II Yes	IP TOS/DSCP Based Priority Queuing	Yes (FSR-124D)
IPv4 and IPv6 Management Yes Telnet / SSH Yes HTTP / HTTPS Yes SNMP 1/v2c/v3 Yes SNTP Yes Standard CLI and web GUI interface Yes Software download/upload: TFTP/FTP/GUI Yes Software download/upload: TFTP/FTP/GUI Yes Support for HTTP REST APIs for Configuration and Monitoring Yes Additional RFC and MIB Support Yes Additional RFC and MIB Support Yes RFC 257 Architecture for Describing SNMP Framework Yes DICP Client Yes RFC 284 Fleint Server Yes RFC 284 Fleint Server Yes RFC 1843 Ethemet-like Interface MIB Yes RFC 1843 Ethemet-like Interface MIB Yes RFC 1843 Ethemet Processing and Dispatching Yes RFC 1843 IP Forwarding Table MIB Yes RFC 1873 SNMP MIB II Yes RFC 1873 SNMP MIB II Yes	Management	
Telnet / SSH Yes HTTP / HTTPS Yes SNMP v1/v2c/v3 Yes SNTP Yes Standard CLI and web GUI interface Yes Software download/upload: TFTP/FTP/GUI Yes Managed from FortiGate Yes Support for HTTP REST APIs for Configuration and Monitoring Yes Additional RFC and MIB Support Yes RFC 2571 Architecture for Describing SNMP Framework Yes DHCP Client Yes RFC 2563 FADIUS Yes RFC 2656 RADIUS Yes RFC 1643 Ethernet-like Interface MIB Yes RFC 1643 Ethernet-like Interface MIB Yes RFC 1547 In Provarding Table MIB Yes RFC 1547 SNMP Message Processing and Dispatching Yes RFC 1547 SNMP MIB II Yes RFC 1547 SNMP MIB II Yes		Yes
HTTP / HTTPSYesSNMP v1/v2c/v3YesSNTPYesStandard CLI and web GUI interfaceYesSoftware download/upload: TFTP/FD/GUIYesManaged from FortiGateYesSupport for HTTP REST APIs for Configuration and MonitoringYesAdditional RFC and MIB SupportYesRFC 2571 Architecture for Describing SNMP FrameworkYesDHCP ClientYesRFC 2865 RADIUSYesRFC 2865 RADIUSYesRFC 2865 RADIUSYesRFC 1543 Ethernet-like Interface MIBYesRFC 1573 SNMP MIB IIYesRFC 1575 SNMP MIB IIYesRFC 1575 SNMP Y1/v2cYes		
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Software download/upload: TFTP/FTP/GUIYesManaged from FortiGateYesSupport for HTTP REST APIs for Configuration and MonitoringYesAdditional RFC and MIB SupportYesRFC 2571 Architecture for Describing SNMP FrameworkYesDHCP ClientYesRFC 854 Telnet ServerYesRFC 2865 RADIUSYesRFC 1643 Ethernet-like Interface MIBYesRFC 1213 MIB-IIYesRFC 1213 MIB-IIYesRFC 2572 SNMP Message Processing and DispatchingYesRFC 1573 SNMP MIB IIYesRFC 1573 SNMP MIB IIYesRFC 1575 SNMPv1/v2cYes	SNTP	Yes
Managed from FortiGateYesSupport for HTTP REST APIs for Configuration and MonitoringYesAdditional RFC and MIB SupportYesRFC 2571 Architecture for Describing SNMP FrameworkYesDHCP ClientYesRFC 854 Telnet ServerYesRFC 2865 RADIUSYesRFC 1643 Ethernet-like Interface MIBYesRFC 1543 Telner ServerYesRFC 1543 IP Forwarding Table MIBYesRFC 2572 SNMP Message Processing and DispatchingYesRFC 1573 SNMP MIB IIYesRFC 1573 SNMP MIB IIYesRFC 1575 SNMPv1/v2cYes	Standard CLI and web GUI interface	Yes
Support for HTTP REST APIs for Configuration and MonitoringYesAdditional RFC and MIB SupportYesRFC 2571 Architecture for Describing SNMP FrameworkYesDHCP ClientYesRFC 854 Telnet ServerYesRFC 2865 RADIUSYesRFC 1643 Ethernet-like Interface MIBYesRFC 1354 IP Forwarding Table MIBYesRFC 2572 SNMP Message Processing and DispatchingYesRFC 1573 SNMP MIB IIYesRFC 1157 SNMPV1/v2cYes	Software download/upload: TFTP/FTP/GUI	Yes
Additional RFC and MIB SupportRFC 2571 Architecture for Describing SNMP FrameworkYesDHCP ClientYesRFC 854 Telnet ServerYesRFC 2865 RADIUSYesRFC 1643 Ethernet-like Interface MIBYesRFC 1213 MIB-IIYesRFC 1257 2 SNMP Message Processing and DispatchingYesRFC 1573 SNMP MIB IIYesRFC 1157 SNMPV1/v2cYes	Managed from FortiGate	Yes
RFC 2571 Architecture for Describing SNMP FrameworkYesDHCP ClientYesRFC 854 Telnet ServerYesRFC 2865 RADIUSYesRFC 1643 Ethernet-like Interface MIBYesRFC 1213 MIB-IIYesRFC 1354 IP Forwarding Table MIBYesRFC 2572 SNMP Message Processing and DispatchingYesRFC 1573 SNMP MIB IIYesRFC 1157 SNMPv1/v2cYes	Support for HTTP REST APIs for Configuration and Monitoring	Yes
RFC 2571 Architecture for Describing SNMP FrameworkYesDHCP ClientYesRFC 854 Telnet ServerYesRFC 2865 RADIUSYesRFC 1643 Ethernet-like Interface MIBYesRFC 1213 MIB-IIYesRFC 1354 IP Forwarding Table MIBYesRFC 2572 SNMP Message Processing and DispatchingYesRFC 1573 SNMP MIB IIYesRFC 1157 SNMPv1/v2cYes	Additional RFC and MIB Support	
RFC 854 Telnet ServerYesRFC 2865 RADIUSYesRFC 1643 Ethernet-like Interface MIBYesRFC 1213 MIB-IIYesRFC 1354 IP Forwarding Table MIBYesRFC 2572 SNMP Message Processing and DispatchingYesRFC 1573 SNMP MIB IIYesRFC 1157 SNMPv1/v2cYes		Yes
RFC 2865 RADIUS Yes RFC 1643 Ethernet-like Interface MIB Yes RFC 1213 MIB-II Yes RFC 1354 IP Forwarding Table MIB Yes RFC 2572 SNMP Message Processing and Dispatching Yes RFC 1573 SNMP MIB II Yes RFC 1157 SNMPv1/v2c Yes	DHCP Client	Yes
RFC 1643 Ethernet-like Interface MIB Yes RFC 1213 MIB-II Yes RFC 1354 IP Forwarding Table MIB Yes RFC 2572 SNMP Message Processing and Dispatching Yes RFC 1573 SNMP MIB II Yes RFC 1157 SNMPv1/v2c Yes	RFC 854 Telnet Server	Yes
RFC 1213 MIB-II Yes RFC 12354 IP Forwarding Table MIB Yes RFC 2572 SNMP Message Processing and Dispatching Yes RFC 1573 SNMP MIB II Yes RFC 1157 SNMPv1/v2c Yes	RFC 2865 RADIUS	Yes
RFC 1354 IP Forwarding Table MIB Yes RFC 2572 SNMP Message Processing and Dispatching Yes RFC 1573 SNMP MIB II Yes RFC 1157 SNMPv1/v2c Yes	RFC 1643 Ethernet-like Interface MIB	Yes
RFC 2572 SNMP Message Processing and Dispatching Yes RFC 1573 SNMP MIB II Yes RFC 1157 SNMPv1/v2c Yes	RFC 1213 MIB-II	Yes
RFC 1573 SNMP MIB II Yes RFC 1157 SNMPv1/v2c Yes	RFC 1354 IP Forwarding Table MIB	Yes
RFC 1157 SNMPv1/v2c Yes	RFC 2572 SNMP Message Processing and Dispatching	Yes
	RFC 1573 SNMP MIB II	Yes
RFC 2030 SNTP Yes	RFC 1157 SNMPv1/v2c	Yes
	RFC 2030 SNTP	Yes

Specifications

	FSR-112D-POE	FSR-124D	
thernet			
thernet Interface	8x GE RJ45 (including 8x PoE/PoE+ capable ports), 4x GE SFP slots	16x GE RJ45, 4x GE SFP slots,	
	PoE is 802.3 af PoE+ is 802.3at	8 shared media interfaces (GE RJ45 / GE SFP slots)	
onsole Interface	DB9 connector	DB9 connector	
perating Mode	Store and forward, L2/L3 wire-speed/non-blocking switching engine	Store and forward, L2/L3 wire-speed/non-blocking switching engine	
IAC Addresses	8K	8K	
witching Capacity	24 Gbps	56 Gbps	
ackets Per Second	46 Mpps	83 Mpps	
LANs Supported	4K	4K	
RAM	512 MB	512 MB	
LASH	64 MB	512 MB	
opper RJ45 Ports		0.2.10	
peed	10/100/1000 Mbps	10/100/1000 Mbps	
IDI/MDIX Auto-crossover		Support straight or cross wired cables	
uto-negotiating	Support straight or cross wired cables 10/100/1000 Mbps speed auto-negotiation; Full and half duplex	10/100/1000 Mbps speed auto-negotiation; Full and half duplex	
0E+ (PSE)	IEEE 802.3at, up to 30 W per RJ45 GE port (up to 8 PoE+ ports)	N/A	
. ,			
SFP (pluggable) Ports Port Types Supported	Gigabit fiber multimode, fiber single mode, fiber long-haul single mode	Gigabit fiber multimode, fiber single mode, fiber long-haul single mode	
ort types Supported	algabit noer moutinioue, noer single moue, noer long-habit single moue 1000Base(SX/LX/ZX)	1000Base(SX/LX/ZX)	
iber Port Connector	LC typically for fiber (depends on module)	LC typically for fiber (depends on module)	
'ower			
Power Input	Redundant input terminals	Redundant input terminals	
nput Voltage Range	44–57V DC (for PoE model), 12–57 V (non-PoE model), 44–49V input voltage can support PoE (802.3af) on all ports, 50–57V input voltage can support PoE+ (802.3at) on all ports.	44–57V DC	
Reverse Power Protection	Yes		
Switch Power	With 8x PoE+ sources, the switch itself draws 10.4 W	25.434 W (Maximum)	
leat Dissipation	The switch dissipates 69.6 BTU/h with 8x PoE+ devices attached	117.49 BTU/h	
ndicators			
Power Status Indication	Indication of power input status	Indication of power input status	
PoE Indication	PoE port status	N/A	
thernet Port Indication	Link and speed	Link and speed	
Invironment			
Dperating Temperature Range	-40–167°F (-40–75°C) cold startup at -40°C/°F)	-40-185°F (-40-85°C)	
Storage Temperature Range	-40–185°F (-40–85°C)	-40–185°F (-40–85°C)	
lumidity	5–95% RH non-condensing	10–95% non-condensing	
MTBF	> 30 years	> 30 years	
Cooling	Fanless	Fanless	
Certification and Compliances			
	Radiated Emission: CISPR 22, EN55022 Class B	Radiated Emission: CISPR 22, EN55022 Class B	
	Conducted Emission: EN55022 Class B	Conducted Emission: EN55022 Class B	
MS	ESD: IEC61000-4-2	ESD: IEC61000-4-2	
	Radiated RF (RS): IEC61000-4-3	Radiated RF (RS): IEC61000-4-3	
	EFT: IEC61000-4-4 Surge: IEC61000-4-5	EFT: IEC61000-4-4 Surge: IEC61000-4-5	
	Surge: IEC61000-4-5 Conducted RF (CS): IEC61000-4-6	Conducted RF (CS): IEC61000-4-6	
ROHS and WEEE	RoHS (Pb free) and WEEE compliant	Compliant	
CC	Yes	Yes, with supplementary IEEE 1613	
CES	Yes	Yes	
E	Yes, with supplementary EN50155, EN50121-1,	Yes, with supplementary IEC 61850-3	
осм.	EN50121-3-2, EN50121-4, EN 61000-6-4	Voo	
RCM	Yes	Yes	
	Yes	Yes	
3SMI CB	Yes	Yes Yes	
	Yes	W/W ¹	

Specifications

	FSR-112D-POE	FSR-124D
Mechanical		
Ingress Protection	IP30	IP40
Installation Option	DIN-Rail mounting, wall mounting	Rack mount
Dimensions		
Length x Width x Height	3.8 x 4.15 x 6.06 inches (96.4 x 105.5 x 154 mm)	17.40 x 13.86 x 1.73 inches (442 x 352 x 44 mm)
Weight	2.7 lbs (1230 g)	12.78 lbs (5.80 kg)
Warranty		
Fortinet warranty Limited lifetim		

* Fortinet Warranty Policy: http://www.fortinet.com/doc/legal/EULA.pdf

Order Information

Product	SKU	Description
FortiSwitch Rugged 112D-POE	FSR-112D-POE	Ruggedized L2 PoE Switch — 8x GE RJ45 (including 8x PoE/PoE+ capable ports), 4x GE SFP slots, FortiGate switch controller compatible.
FortiSwitch Rugged 124D	FSR-124D	Ruggedized L2 Switch — 16x GE RJ45, 4x GE SFP slots, 8x shared media pairs (including 8x GE RJ45, 8x GE SFP slots), FortiGate switch controller compatible.
Accessories		
1 GE SFP LX Transceiver Module	FG-TRAN-LX	1 GE SFP LX transceiver module for all systems with SFP and SFP/SFP+ slots.
1 GE SFP RJ45 Transceiver Module	FG-TRAN-GC	1 GE SFP RJ45 transceiver module for all systems with SFP and SFP/SFP+ slots.
1 GE SFP SX Transceiver Module	FG-TRAN-SX	1 GE SFP SX transceiver module for all systems with SFP and SFP/SFP+ slots.
1 GE SFP RJ45 Transceiver Module	FS-TRAN-GC	1 GE SFP RJ45 transceiver module for FortiSwitch with SFP and SFP/SFP+ slots.
1 GE SFP SX Transceivers, MMF, -40–85°C operation	FR-TRAN-SX	1 GE SFP SX transceiver module, -40–85°C, over MMF, for all systems with SFP and SFP/SFP+ slots.
1 GE SFP LX Transceivers, SMF, -40–85°C operation	FR-TRAN-LX	1 GE SFP LX transceiver module, -40–85°C, over SMF, for all systems with SFP and SFP/SFP+ slots.
1 GE SFP Transceivers, 90 km range, -40–85°C operation	FR-TRAN-ZX	1 GE SFP transceivers, -40–85°C operation, 90 km range for all systems with SFP slots.
100base-FX SFP Transceiver Module	FS-TRAN-FX	100Mb multimode SFP transceivers, -4085°C operation, 500m (0M1 fiber) range for systems with SFP slots and capable of 10/100/1000Mb mode selection.

FS-TRAN-FX is supported in FSR-112D-POE.

For details of Transceiver modules, see the Fortinet Transceivers datasheet.



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FSR-DAT-R10-201905