



ORDERING GUIDE

FortiSwitch

| Size, Scale, and Type | SECURE ACCESS | | | | SECURE CAMPUS | | | CAMPUS CORE AND DATA CENTER | | | | OT | |
|----------------------------------|-----------------------|--------------------------------|--------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|--------------------|-----------------------------------|
| | RETAIL | BRANCH | | 124F 148F | MEDIUM CAMPUS | | T1024E T1024F-FPOE | LARGE CAMPUS | | | RUGGED ENVIRONMENT | | |
| | 108F | 124E 148E | 224E 248D | | 424E 448E M426E | 1024E 1048E | | 524D 548D | 624F 648F | 2048F | 3032E | FSR-112D-POE | FSR-424F-POE |
| Number of Switches | Single Tier Templated | Single or Multi-Tier Templated | Single or Multi-Tier Templated | Single Location Multi-Tier | Single Location Multi-Tier | Single Location Multi-Tier | Single Location Multi-Tier | Single Location Multi-Tier | Single Location Multi-Tier | Single Location Multi-Tier | Single Location Multi-Tier | OT Rugged DIN-rail | OT Rugged Rack-mount |
| Multitier | 1-3 | 10s | 10s | Low 100s | Low 100s | Low 100s | Low 100s | 100s+ | 100s+ | 100s+ | 100s+ | Any | Any |
| 10G Access Ports | | Larger branches | Larger branches | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ |
| 25G Access Ports | | | | | | | | | | ⊙ | | | |
| Multigig Ports for Access Points | | | | ⊙ | | | ⊙ | | | ⊙ | | | ⊙ |
| Uplink Speed | 1G (SFP) | 1G (SF) | 1G (SFP) | 10G (SFP+) | 10G (SFP+) | 100G (QSFP28) | 100G (QSFP28) | 10G (SFP+) 40G (QSFP) | 25G (SFP28) | 100G (QSFP28) | | 1G SFP | 10G (SFP+) 40G (QSFP) |
| Downlink Speed | 1G (RJ45) | 1G (RJ45) | 1G (RJ45) | 1G (RJ45) | 1G (RJ45) 1G (SFP) | 10G (SFP+) | 1G/2.5G/5G/10G (RJ45) | 1G (RJ45) | 1G/2.5G/5G (RJ45) | 25G (SFP28) | 100G (QSFP28) | 1G (RJ45) 1G (SFP) | 100M/1G/2.5G (RJ45) 1G/2.5G (SFP) |
| Power Supply | | | Internal Redundant or RPS | | Internal Redundant | Redundant Hot-Swappable | Redundant Hot-Swappable | Redundant Hot-Swappable | Redundant Hot-Swappable | Redundant Hot-Swappable | Redundant Hot-Swappable | Redundant DC Input | Redundant DC Input |
| Features | | | | | | | | | | | | | |
| Access Security | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ |
| FortiLink Support | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ |
| Netflow | | | ⊙ | | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | | ⊙ |
| MCLAG | | | ⊙ | | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | | ⊙ |
| L3 Routing | | | ⊙ | | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | | ⊙ |
| Additional Services | | | | | | | | | | | | | |
| 24x7 Support | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ |
| Cloud-managed | Add-on | Add-on | Add-on | Add-on | Add-on | Add-on | Add-on | Add-on | Add-on | Add-on | Add-on | Add-on | Add-on |

ORDER INFORMATION

| | SECURE ACCESS | | | | SECURE CAMPUS | | | CAMPUS CORE AND DATA CENTER | | | | OT | |
|--|--|--------------|--|---------------|---|----------------|--|---|---|-------|--|----------------------|----------------------|
| | RETAIL | BRANCH | | MEDIUM CAMPUS | | | LARGE CAMPUS | | | | RUGGED ENVIRONMENT | | |
| | 108F | 124E 148E | 224E 248D | 124F 148F | 424E 448E M426E | 1024E 1048E | T1024E T1024F- FPOE | 524D 548D | 624F 648F | 2048F | 3032E | FSR- 112D- POE | FSR- 424F- POE |
| FortiGate-managed | | | | | | | | | | | | | |
| Non-PoE | | | | | | | | | | | | | |
| 8 port | FS-108F FC-10- F108N- 247-02-DD | | | | | | | | | | | | |
| 24 port | FS-124E FC-10- WP12E- 247-02-DD | | FS-224E FC-10- W0300- 247-02-DD | | FS-124F FC-10- S124N- 247-02-DD | | FS-424E FC-10- S424E- 247-02-DD | | FS-1024E FC-10- S1E24- 247-02-DD | | FS-524D FC-10- W0524- 247-02-DD | | |
| 24 port 1G/2.5G/ 5G copper | | | | | | | | | | | FS-624F FC-10- 624FN- 247-02-DD | | |
| 24 port 1G/2.5G/ 5G/10G copper | | | | | | | | | | | FS-T1024E FC-10- T1E24- 247-02-DD | | |
| 32 port | | | | | | | | | | | FS-3032E FC-10- S3E32- 247-02-DD | | |
| 32 port 1G/2.5G 16 port 1G/ 2.5G/5G | | | | | | | | | | | FS-648F FC-10- 648FN- 247-02-DD | | |
| 48 port | FS-148E FC-10- S148E- 247-02-DD | | FS-148F FC-10- 148FN- 247-02-DD | | FS-548D FC-10- W0548- 247-02-DD | | | | | | | | |
| | FS-248D FC-10- W248D- 247-02-DD | | FS-448E FC-10- S448N- 247-02-DD | | FS-1048E FC-10- 1E48F- 247-02-DD | | | FS-2048F FC-10- S2F48- 247-02-DD | | | | | |
| 1G Fiber 24 port | FS-424E- FIBER FC-10- S424I- 247-02-DD | | | | | | | | | | | | |

ORDER INFORMATION

| | SECURE ACCESS | | | | SECURE CAMPUS | | | CAMPUS CORE AND DATA CENTER | | | | OT | | |
|------------------------------------|---|-----------------------|---------------------------------------|-----------------------|--|-----------------------|---|-----------------------------|---------------------------------------|-----------------------|-----------------------|---------------------------------------|---------------------------------------|--|
| | RETAIL | BRANCH | | MEDIUM CAMPUS | | | LARGE CAMPUS | | | | RUGGED ENVIRONMENT | | | |
| | 108F | 124E 148E | 224E 248D | 124F 148F | 424E 448E M426E | 1024E 1048E | T1024E T1024F- FPOE | 524D 548D | 624F 648F | 2048F | 3032E | FSR- 112D- POE | FSR- 424F- POE | |
| PoE | | | | | | | | | | | | | | |
| 4/8 port (af/at) | FS-108F-POE FC-10-F108P-247-02-DD | | | | | | | | | | | | | |
| 8/8 port (af/at) | FS-108F-FPOE FC-10-F108F-247-02-DD | | | | | | | | | | | FSR-112D-POE FC-10-W112D-247-02-DD | | |
| 12/24 port (af/at) | FS-124E-POE FC-10-S248P-247-02-DD | | FS-124F-POE FC-10-S124P-247-02-DD | | FS-424E-POE FC-10-S424P-247-02-DD | | | | | | | | FSR-424F-POE FC-10-R24FP-247-02-12 | |
| 24/24 port (af/at) | FS-124E-FPOE FC-10-S124FP-247-02-DD | | FS-224D-FPOE FC-10-W0226-247-02-DD | | FS-124F-FPOE FC-10-S124F-247-02-DD | | FS-424E-FPOE FC-10-S424F-247-02-DD FS-M426E-FPOE FC-10-M426E-247-02-DD | | FS-524D-FPOE FC-10-W0505-247-02-DD | | | | | |
| 24/24 port (af/at/bt) | | | | | | | FS-T1024F-FPOE FC-10-TF124-247-02-DD | | FS-624F-FPOE FC-10-624FF-247-02-DD | | | | | |
| 24/48 port (af/at) | FS-148E-POE FC-10-S148P-247-02-DD | | FS-248E-POE FC-10-WP248-247-02-DD | | FS-148F-POE FC-10-S148FP-247-02-DD | | FS-448E-POE FC-10-S448P-247-02-DD | | | | | | | |
| 48/48 port (af/at) | | | | | FS-248E-FPOE FC-10-W248E-247-02-DD | | FS-448E-FPOE FC-10-S448F-247-02-DD | | FS-548D-FPOE FC-10-W0501-247-02-DD | | | | | |
| 48/48 port (af/at/bt) | | | | | | | FS-648F-FPOE FC-10-648FF-247-02-DD | | | | | | | |
| Add-on Licenses | | | | | | | | | | | | | | |
| Advanced Switching License* | FS-SW-LIC-200 (not available with FS-148E or FS-148E-POE) | | | | FS-SW-LIC-400 (only available with FS-4XX) | | FS-SW-LIC-1000 | FS-SW-LIC-1000 | FS-SW-LIC-500 | FS-SW-LIC-600 | FS-SW-LIC-2000 | FS-SW-LIC-3000 | FS-SW-LIC-400 | |
| Cloud Management License** | FC-10-FSW00-628-02-DD | FC-10-FSW00-628-02-DD | FC-10-FSW10-628-02-DD | FC-10-FSW00-628-02-DD | FC-10-FSW10-628-02-DD | FC-10-FSW30-628-02-DD | FC-10-FSW30-628-02-DD | FC-10-FSW20-628-02-DD | FC-10-FSW20-628-02-DD | FC-10-FSW30-628-02-DD | FC-10-FSW30-628-02-DD | FC-10-FSW10-628-02-DD | FC-10-FSW10-628-02-DD | |

ORDER INFORMATION

| | SECURE ACCESS | | | | SECURE CAMPUS | | | CAMPUS CORE AND DATA CENTER | | | | RUGGED ENVIRONMENT | |
|-------------------------------|-----------------|-----------------|-----------------|---|---|--|--|---|---|--|--|--------------------|---|
| | RETAIL | BRANCH | | | MEDIUM CAMPUS | | | LARGE CAMPUS | | | | FSR-112D-POE | FSR-424F-POE |
| | 108F | 124E 148E | 224E 248D | 124F 148F | 424E 448E M426E | 1024E 1048E | T1024E T1024F- FPOE | 524D 548D | 624F 648F | 2048F | 3032E | | |
| SFP Transceivers | | | | | | | | | | | | | |
| 1Gbps, 220m | FN-TRAN-SX | FN-TRAN-SX | FN-TRAN-SX | FN-TRAN-SX | FN-TRAN-SX | FN-TRAN-SX | | FN-TRAN-SX | FN-TRAN-SX | FN-TRAN-SX | | FN-TRAN-SX | FN-TRAN-SX |
| 1Gbps, 10km Advanced | FN-TRAN-LX | FN-TRAN-LX | FN-TRAN-LX | FN-TRAN-LX | FN-TRAN-LX | FN-TRAN-LX | | FN-TRAN-LX | FN-TRAN-LX | FN-TRAN-LX | | FN-TRAN-LX | FN-TRAN-LX |
| 1000Base-T(RJ45), 100m | FN-TRAN-GC | FN-TRAN-GC | FN-TRAN-GC | FN-TRAN-GC | FN-TRAN-GC | FN-TRAN-GC | | FN-TRAN-GC | FN-TRAN-GC | FN-TRAN-GC | | FN-TRAN-GC | FN-TRAN-GC |
| 2.5Gbps, 300m | FN-TRAN-SFP2-SX | FN-TRAN-SFP2-SX | FN-TRAN-SFP2-SX | FN-TRAN-SFP2-SX | FN-TRAN-SFP2-SX | FN-TRAN-SFP2-SX | | FN-TRAN-SFP2-SX | FN-TRAN-SFP2-SX | FN-TRAN-SFP2-SX | | | FN-TRAN-SFP2-SX |
| 2.5Gbps, 20km | FN-TRAN-SFP2-LX | FN-TRAN-SFP2-LX | FN-TRAN-SFP2-LX | FN-TRAN-SFP2-LX | FN-TRAN-SFP2-LX | FN-TRAN-SFP2-LX | | FN-TRAN-SFP2-LX | FN-TRAN-SFP2-LX | FN-TRAN-SFP2-LX | | | FN-TRAN-SFP2-LX |
| 10Gbps, 300m | | | | FN-TRAN-SFP+SR | FN-TRAN-SFP+SR | FN-TRAN-SFP+SR | | FN-TRAN-SFP+SR | FN-TRAN-SFP+SR | FN-TRAN-SFP+SR | | FR-TRAN-ZX | FN-TRAN-SFP+SR |
| 10Gbps, 10km | | | | FN-TRAN-SFP+LR | FN-TRAN-SFP+LR | FN-TRAN-SFP+LR | | FN-TRAN-SFP+LR | FN-TRAN-SFP+LR | FN-TRAN-SFP+LR | | | FN-TRAN-SFP+LR |
| 10Gbps, 30km | | | | FN-TRAN-SFP-BD27 FN-TRAN-SFP-BD33*** | FN-TRAN-SFP-BD27 FN-TRAN-SFP-BD33*** | FN-TRAN-SFP-BD27 FN-TRAN-SFP-BD33*** | | FN-TRAN-SFP-BD27 FN-TRAN-SFP-BD33*** | FN-TRAN-SFP-BD27 FN-TRAN-SFP-BD33*** | FN-TRAN-SFP-BD27 FN-TRAN-SFP-BD33*** | | | FN-TRAN-SFP-BD27 FN-TRAN-SFP-BD33*** |
| 10Gbps, 80km | | | | FN-TRAN-SFP+ZR | FN-TRAN-SFP+ZR | FN-TRAN-SFP+ZR | | FN-TRAN-SFP+ZR | FN-TRAN-SFP+ZR | FN-TRAN-SFP+ZR | | | FN-TRAN-SFP+ZR |
| 25Gbps, 100m | | | | | | | | | FN-TRAN-SFP28-SR | FN-TRAN-SFP28-SR | | | |
| 25Gbps, 10km | | | | | | | | | FN-TRAN-SFP28-LR | FN-TRAN-SFP28-LR | | | |
| 40Gbps, 150m(OM4) | | | | | | FN-TRAN-QSFP+SR | FN-TRAN-QSFP+SR | FN-TRAN-QSFP+SR | | FN-TRAN-QSFP+SR | FN-TRAN-QSFP+SR | | FN-TRAN-QSFP+SR |
| 40Gbps, 10km | | | | | | FN-TRAN-QSFP+LR | FN-TRAN-QSFP+LR | FN-TRAN-QSFP+LR | | FN-TRAN-QSFP+LR | FN-TRAN-QSFP+LR | | FN-TRAN-QSFP+LR |
| 40Gbps, 40km | | | | | | FN-TRAN-QSFP+ER | FN-TRAN-QSFP+ER | FN-TRAN-QSFP+ER | | FN-TRAN-QSFP+ER | FN-TRAN-QSFP+ER | | FN-TRAN-QSFP+ER |
| 100Gbps, 100m | | | | | | FN-TRAN-QSFP28-SR FN-TRAN-QSFP28-BIDI | FN-TRAN-QSFP28-SR FN-TRAN-QSFP28-BIDI | | | FN-TRAN-QSFP28-SR FN-TRAN-QSFP28-BIDI | FN-TRAN-QSFP28-SR FN-TRAN-QSFP28-BIDI | | |
| 100Gbps, 500m | | | | | | FN-TRAN-QSFP28-DR | FN-TRAN-QSFP28-DR | | | FN-TRAN-QSFP28-DR | FN-TRAN-QSFP28-DR | | |
| 100Gbps, 10km | | | | | | FN-TRAN-QSFP28-LR | FN-TRAN-QSFP28-LR | | | FN-TRAN-QSFP28-LR | FN-TRAN-QSFP28-LR | | |
| 100Gbps, 20km | | | | | | FN-TRAN-QSFP28-ER | FN-TRAN-QSFP28-ER | | | FN-TRAN-QSFP28-ER | FN-TRAN-QSFP28-ER | | |

* The Advanced Switching license enables dynamic routing protocols in standalone mode.
 ** Includes FortiCare only when FortiLAN Cloud manages the unit.
 *** FN-TRAN-SFP-BD27 and FN-TRAN-SFP-BD33 must be connected to each other.

This document is a guide to assist in common scenarios. Refer to the datasheet for detailed specifications.

ORDER INFORMATION

POWER SUPPLY OPTIONS

| | |
|---|-------------|
| AC redundant power supply for FS-624F and FS-648F | FS-PSU-350 |
| AC redundant power supply for FS-624F-FPOE and FS-648F-FPOE | FS-PSU-1200 |
| AC redundant power supply for FS-548D and FS-524D | FS-PSU-150 |
| AC spare power supply for FS-1024D/1048E | FS-PSU-460 |
| AC redundant power supply for FS-1024E/FS-T1024E | FS-PSU-300 |
| AC redundant power supply for FS-2048F | FS-PSU-650 |
| AC additional POE power capacity power supply for FS-524D-FPOE | FS-PSU-600 |
| AC spare power supply for FS-3032E | FS-PSU-800 |
| AC additional POE power capacity power supply for FS-548D-FPOE | FS-PSU-920 |
| Redundant AC power supply for up to 2 units: FS-224D-FPOE, FS-224E-POE, FS-248E-POE, and FS-248E-FPOE | FRPS-740-FS |

TRAINING SERVICES

| | |
|-------------------------------------|-------------|
| FortiSwitch Instructor-led Training | FT-FSW |
| Certification Exam Voucher | NSE-EX-FTE2 |

FORTINET TRAINING AND CERTIFICATION

FCP – FortiSwitch Training and Certification

Learn how to deploy, provision, and manage a FortiSwitch with FortiGate using FortiLink. This course also covers the deployment and troubleshooting of Layer 2 and Layer 3 features, as well as the most common FortiSwitch stack topologies, including those that leverage multichassis link aggregation group (MCLAG) for redundancy and higher performance. Also learn about FortiSwitch in standalone mode, its unique features, and how to manage a standalone switch directly or from FortiLAN Cloud.

Certification Exams

FCP Network Security:

- NSE-EX-FTE2

Prerequisites

- Basic knowledge in networking and switching
- Understanding of layer 2 switching
- Understanding of the following courses:
 - FCP - FortiGate security
 - FCP - FortiGate infrastructure

References

https://training.fortinet.com/local/staticpage/view.php?page=library_fortiswitch

Visit www.fortinet.com for more details



Copyright © 2024 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's Chief Legal Officer, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.