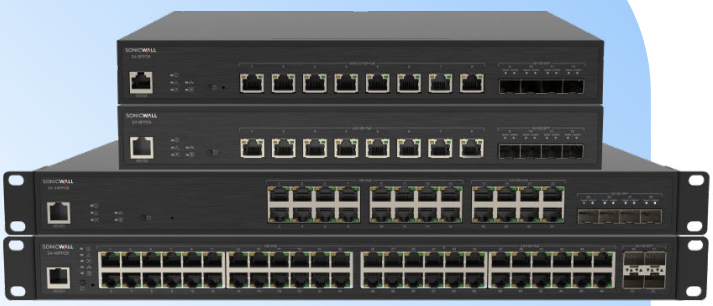
DATASHEET

SonicWall SWS24/SWS34 Multi-gig Switches

Multi-Gigabit Switching and PoE++ Power
for High-Performance Business Networks

The SonicWall Multi-Gig Switch series delivers multi-gigabit access ports, high-wattage Power over Ethernet (PoE), and 10 Gbps SFP+ uplinks for growing business networks. Selected RJ45 ports operate at 2.5 Gbps on the SWS24 series over existing Category 5e and Category 6 cabling, allowing organizations to connect Wi-Fi access points, PTZ cameras, and other high-throughput edge devices without re-cabling. The SWS34-8FPOE extends RJ45 port speeds to 10 Gbps for high-performance access and aggregation.

With PoE budgets of up to 740 W and IEEE 802.3bt PoE++ at up to 60 W per port on select models, the portfolio powers high-wattage devices. All switches are managed through SonicWall Unified Management or the local web UI and CLI, and share the proven switching feature set of the previous SonicWall Switch generation.



> VIEW FULL SPECS

Highlights

- Multi-Gig RJ45 ports at 2.5 Gbps or 10 Gbps
- 10 Gbps SFP+ uplinks on all models
- IEEE 802.3bt PoE++ up to 60 W per port
- PoE on all RJ45 ports
- PoE budgets from 240 W to 740 W
- SonicWall Unified Management
- SD-Branch Ready
- Zero-Touch Deployment
- Local web UI and CLI management
- Layer 2+ switching, Layer 3 static routing
- 8/24/48 port models
- 802.1X and MAB
- QoS support
- Segmentation and compliance
- SNMP monitoring
- Backup and restore Switch configurations
- Per-port PoE priority and power limits
- Time Management Options for PoE Switch Ports

Find the right SonicWall solution for your small business and branch deployments:

sonicwall.com/switch

sonicwall.com

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A Unified Security Ecosystem

Bring together network, endpoint, cloud, and secure access security capabilities through SonicWall's integrated cybersecurity portfolio. This provides organizations with visibility and protection across users, devices, workloads, and network infrastructure, extending security beyond the traditional network perimeter.

- Gain visibility across users, devices, workloads, and network infrastructure.
- Support security posture management, threat detection, exposure assessment, and risk mitigation.
- Reduce silos between security domains through centralized management and visibility.
- Simplify security operations, threat investigation, incident triage, and response.
- Reduce tool sprawl, integration overhead, and the costs associated with maintaining disparate solutions.

For SMBs with lean IT and security teams, this translates into broader security coverage and simplified security management without the overhead of managing multiple disconnected platforms.

Multi-Gig Switching: An Integral Part of the SonicWall Ecosystem

The SonicWall Multi-Gig Switch series is an integral part of this ecosystem, providing high-performance wired connectivity alongside SonicWall firewalls and wireless access points.

Through SonicWall Unified Management, administrators can:

- Manage switches alongside the broader SonicWall security stack.
- Push Policies to multiple switches simultaneously.
- Monitor port status, PoE consumption, and switch health in real time.
- For direct local access, administrators can also:
- Use the built-in HTTPS web UI and CLI for standalone management.
- Access the RJ45 console port for out-of-band initial setup and recovery.

High-Performance Multi-Gig Connectivity

Available in four models with 8, 24, or 48 RJ45 ports, the SonicWall Multi-Gig Switch series provides flexible connectivity options for different network requirements.

- Every switch includes four 10 Gbps SFP+ uplink ports.
- The SWS24-8FPOE provides eight 2.5 GbE ports.
- The SWS24-24FPOE and SWS24-48FPOE combine 1 GbE and 2.5 GbE port banks.
- The SWS34-8FPOE provides eight ports that operate at up to 10 Gbps over Category 6A cabling.
- Multi-Gig ports auto-negotiate to the highest common speed supported by the connected device, so no manual speed configuration is required in typical deployments.
- Where predictable bandwidth allocation is needed, port speed can be set manually through the local web UI or a Unified Management Switch Policy.

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Flexible Power for Connected Devices

All RJ45 ports deliver PoE to access points, VoIP phones, and IP cameras.

- The SWS24-8FPOE and SWS34-8FPOE support IEEE 802.3bt Type III at up to 60 W per port.
- The SWS24-24FPOE and SWS24-48FPOE support IEEE 802.3at at up to 30 W per port.
- Configure per-port PoE priority.
- Set user-defined power limits.
- Use Time Management Options for PoE switch ports to allocate the shared PoE budget and reduce energy use outside business hours.

Traffic Prioritization and Network Access Control

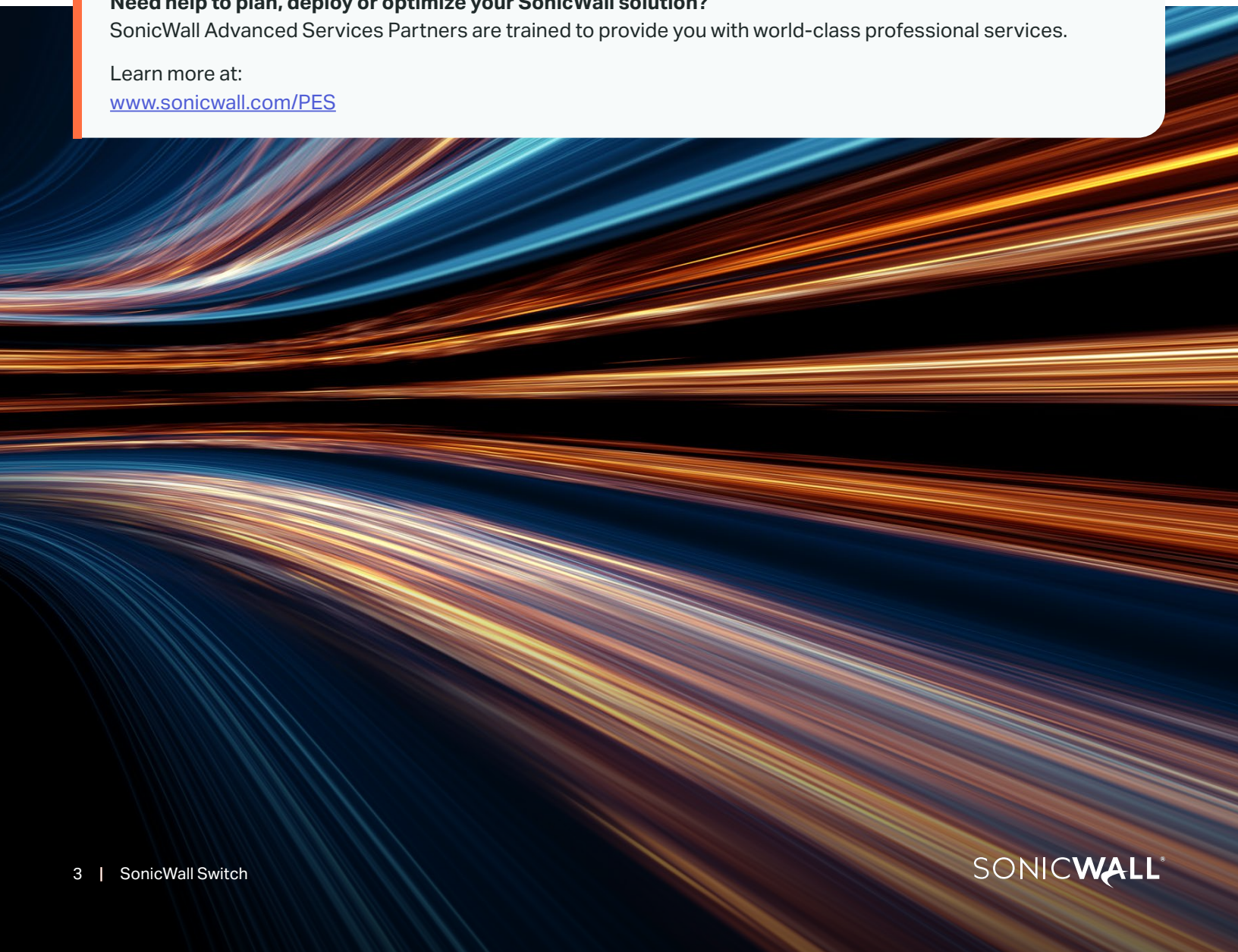
Manage network traffic and control which devices are permitted on the network through integrated QoS, VLAN, and authentication capabilities.

- Prioritize traffic such as VoIP and video conferencing with QoS based on IEEE 802.1p and DSCP.
- Segment devices with VLANs to maintain compliance.
- Use 802.1X authentication with RADIUS integration to control which devices are permitted on the network.
- Use MAB (MAC authentication bypass) to secure ports for cameras, printers, and IoT devices that do not support 802.1X.

PARTNER-ENABLED SERVICES

Need help to plan, deploy or optimize your SonicWall solution?
SonicWall Advanced Services Partners are trained to provide you with world-class professional services.

Learn more at:
www.sonicwall.com/PES



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SonicWall Switch

SWS24-8FPOE



1 x Serial Console Port (RJ45)

- Power LED
- Fault LED
- PoE Max
- LAN Mode
- PoE Mode

- LED Mode selector
- Reset Button

8 x 2.5GbE RJ45 Ports

4 x 10GbE SFP+ Ports

SWS24-24FPOE



1 x Serial Console Port (RJ45)

- Power LED
- Fault LED
- PoE Max
- LAN Mode
- PoE Mode

LED Mode selector

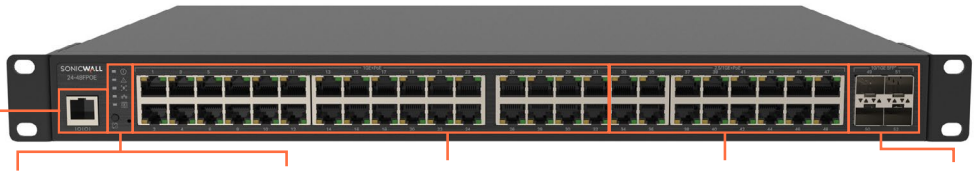
Reset Button

16 x 1GbE RJ45 Ports

8 x 2.5GbE RJ45 Ports

4 x 10GbE SFP+ Ports

SWS24-48FPOE



1 x Serial Console Port (RJ45)

- Power LED
- Fault LED
- PoE Max
- LAN Mode
- PoE Mode

- LED Mode selector
- Reset Button

32 x 1GbE RJ45 Ports

16 x 2.5GbE RJ45 Ports

4 x 10 GbE SFP+ Ports

SWS34-8FPOE



1 x Serial Console Port (RJ45)

- Power LED
- Fault LED
- PoE Max
- LAN Mode
- PoE Mode

- LED Mode selector
- Reset Button

8 x 10GbE RJ45 Ports

4 x 10GbE SFP+ Ports

Model	Number of Ethernet Ports	Number of SFP/SFP+ Ports	PoE Version
SWS24-8FPOE	8 x 2.5GbE	4 x 10G	802.3af/at/bt
SWS24-24FPOE	8 x 2.5GbE + 16 x 1GbE	4 x 10G	802.3af/at
SWS24-48FPOE	16 x 2.5GbE + 32 x 1GbE	4 x 10G	802.3af/at
SWS34-8FPOE	8 x 10GbE	4 x 10G	802.3af/at/bt

Specifications

Hardware	SWS24-8FPOE	SWS24-24FPOE	SWS24-48FPOE	SWS34-8FPOE
Interfaces	8 x 2.5 GbE RJ45 ports, 4 x 10 GbE SFP+ ports, 1 x RJ45 Console	16 x GbE RJ45 ports, 8 x 2.5 GbE RJ45 ports, 4 x 10 GbE SFP+ ports, 1 x RJ45 Console	32 x GbE RJ45 ports, 16 x 2.5 GbE RJ45 ports, 4 x 10 GbE SFP+ ports, 1 x RJ45 Console	8 x 10 GbE RJ45 ports, 4 x 10 GbE SFP+ ports, 1 x RJ45 Console
Memory (MB)	512	512	512	512
Flash (MB)	128	128	128	128
Packet Buf. (MB)	12	12	16	16
Mac Table	16K(Dynamic)	16K(Dynamic)	32K(Dynamic)	32K(Dynamic)
Switching (Gbps)	120	152	224	240
Fan	2	2	3	3
PoE Standard	802.3af/at/bt	802.3af/at	802.3af/at	802.3af/at/bt
PoE Power (Watts)	240	410	740	410
Power Supply (Watts)	300	480	900	480
Power Source	100-240Vac, 50-60Hz	100-240Vac, 50-60Hz	100-240Vac, 50-60Hz	100-240Vac, 50-60Hz
Maximum Power Consumption (Watts)	277	449	817	473
Maximum Current (Amps)	4	7	12	7
Heat Dissipation (BTU)	945.1	1532	2719.4	1613.9
Min Power Cord Amperage (Amps)	10	10	15	10
Operating Temperature	0-40 °C	0-40 °C	0-40 °C	0-40 °C
Storage Temperature	-40 to 70 °C	-40 to 70 °C	-40 to 70 °C	-40 to 70 °C
Humidity	5-95 noncondensing	5-95 noncondensing	5-95 noncondensing	5-95 noncondensing
Dimensions (W x D x H) in mm	330x260x44	260x440x44	440x310x44	230x330x44
Weight (Kg)	3.5	4.38	5.6	3.17
RJ-45 Serials Console Port	1	1	1	1
Form Factor	Desktop	1U	1U	Desktop
MTBF @25 degrees C in Hours	360,485	249,431	197,946	271,018
MTBF @25 degrees C in Years	41.2	28.5	22.6	30.9
Max VLANs	4096	4096	406	4096
Regulatory Model	1RK60-160	1RK65-165	1RK63-163	1RK61-161
Regulatory Approvals	FCC Class A, ICES Class A, CE(EMC ClassA, LVD, RoHS0), C-Tick/ACMA, VCCI Class A, UL cUL, CB, Mexico UL DGN notification, KCC/MSIP, WEEE, REACH, BSMI			

* Please check with your local sales team or resellers to ensure you use the right power cord

Switch Series Features - Across All Models

Management and Configuration

- Manage through SonicWall Unified Management
- Switch Policies pushed to multiple switches simultaneously
- Real-time monitoring of port status, PoE consumption, and switch health
- Local HTTPS web GUI and standard CLI
- Out-of-band RJ45 console port
- SNMP monitoring
- Backup and restore Switch configurations
- Software upgrade/downgrade via Unified Management and Local GUI
- Centralized VLAN configuration
- Static/Dynamic LAG (LACP)
- STP
- LLDP/MED
- Static routing
- 16 Switch virtual interface (SVI) Support
- DHCP relay
- IPv4 management
- SSH
- IGMP Snooping

Power over Ethernet

- IEEE 802.3bt Type III PoE++, up to 60 W per port (SWS24-8FPOE, SWS34-8FPOE)
- IEEE 802.3at PoE+, up to 30W per port on all RJ45 ports (SWS24-24FPOE, SWS24-48FPOE)
- Per-port PoE priority (Low, Medium, High, Critical)
- User-defined per-port power limit
- Time Management Options for PoE Switch Ports (Once, Recurring, Mixed)
- PoE budget monitoring through PoE Max LED and web UI

Security and Visibility

- MAB (MAC authentication bypass)
- DHCP Snooping
- 802.1x authentication
- Hybrid MAB/EAP mode
- Syslog collection
- IP/MAC ACL
- ACL
- Port security
- IEEE 802.1x authentication port-based
- IEEE 802.1x guest and fallback VLAN
- RMON

Quality of Service

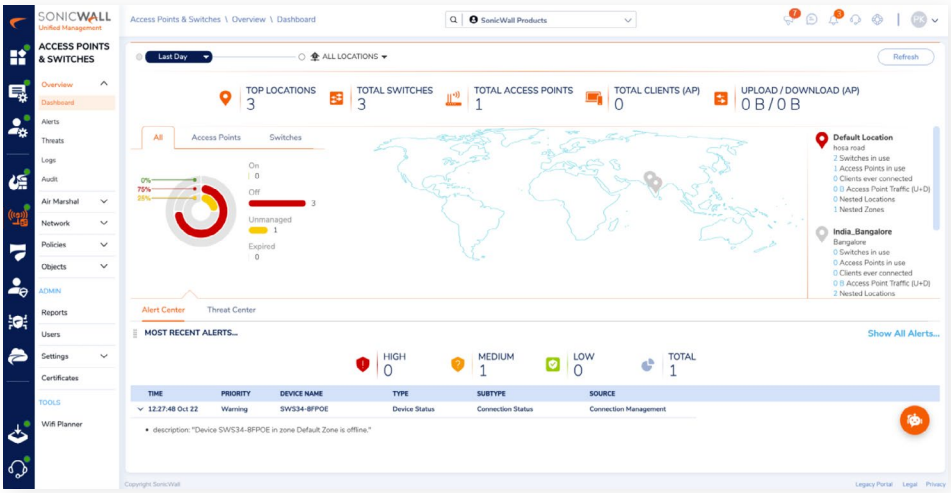
- IEEE 802.1p based priority queuing
- IP TOS/DSCP based priority queuing

Layer 2

- Jumbo frames
- Auto-negotiation for port speed and duplex
- IEEE 802.3bz 2.5GBASE-T (all models) and 5GBASE-T (SWS34-8FPOE)
- 10GBASE-T (SWS34-8FPOE)
- 10G SFP+ and 1G SFP uplinks
- 1000Base-T
- MDI/MDIX auto-crossover
- MAC bridging/STP
- Rapid Spanning Tree Protocol (RSTP)
- Multiple Spanning Tree Protocol (MSTP)
- VLAN tagging
- Guest VLAN and voice VLAN
- Unicast/Multicast traffic balance over trunking port
- Flow control and back-pressure
- Ingress/Egress Bandwidth control
- Storm control
- Loopback detection
- Port mirroring
- MAC, IP, ethertype-based VLANs
- Cable diagnostics

* Available with additional license

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Manage your entire switch fleet from a single console with centralized configuration, zero-touch onboarding, and automated firmware updates to ensure consistency, security, and simplified network management. Gain greater visibility and control over your switching infrastructure with streamlined monitoring, configuration management, and network-wide policy enforcement.

Figure 1. Centralised switch and access point monitoring in SonicWall Unified Management

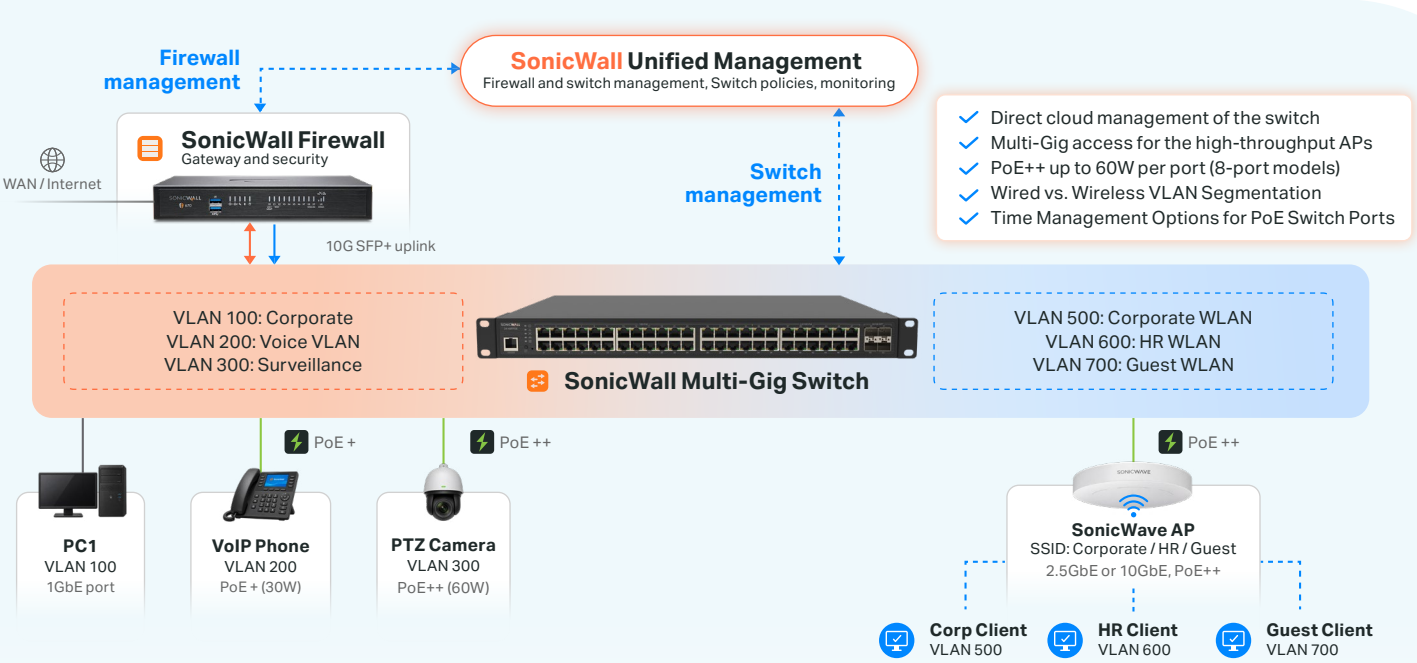


Figure 2. Bringing network connectivity and management together with SonicWall Unified Management

To learn how you can scale your business network with multi-gigabit switching, visit: SonicWall Switch Series

SonicWall, Inc.

1033 McCarthy Boulevard | Milpitas, CA 95035 | Refer to our website for additional information.

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