Araknis Networks 420 Series
44/48 Port PoE+ Switches

AN-420-SW-R-44-POE & AN-420-SW-F-48-POE

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N E T W O R K S

Product Photos

Araknis Networks 420 Series switches offer entry-level multi-gig functionality with flexible and reliable mid-range hardware. Featuring advanced capabilities such as Layer 2 and Lite Layer 3 network management, uplinks, and more. Networking professionals can better tailor the network experience to meet customer needs. Available in 44-port front or 48-port rear-facing RJ-45 ports, each offers 2.5Gbps on select ports with 1Gbps on others, making these switches an excellent choice for any project, large or small.

The switches offer the same familiar user experience and interface you've come to expect from Araknis and include built-in OvrC® support, providing easy and intuitive remote access to manage network settings and troubleshooting capabilities.

Even More OvrC Capability

Araknis 420 switches offer enhanced control through OvrC and are future-ready for additional OvrC functionality as it evolves.

Fully Managed Layer 2 and Lite Layer 3 Management

This switch supports Layer 2 and Lite Layer 3 functionality for more complex network deployments. Layer 3 increases network efficiency by leveraging static and inter-VLAN routing.

Multi-Gig Capability

Partial multi-gig speeds up to 2.5Gbps on certain ports, ideal for Audio/Video over IP, Binary® MOIP, Wi-Fi 6, ISP services, and home servers. Further, 4 SFP+ ports capable of 10Gbps provide all necessary uplink connections.

5-Year Limited Warranty

Araknis Networks X20 Series Switches come with a 5-Year Limited Warranty covering parts and labor for repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty does not apply to products that have been abused, modified, or disassembled. Products to be repaired under this warranty must be returned to Snap One® or a designated service center with prior notification and an assigned return authorization number (RA).

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44/48 Port PoE+ Switches

Specifications	AN-420-SW-R-44-POE	AN-420-SW-F-48-POE
Rack Spacing	1U	1U
10M/100M/1G BASE-T RJ45 Ports	28	32
100M/1G/2.5G BASE-T RJ45 Ports	16	16
POE Ports	44 Rear-Facing Ports	48 Front-Facing Ports
SFP+ Uplink 10GBASE-X Ports	4	4
Max PoE Per Port	30W	30W
Simultaneously PoE Per Port	15W	15W
CPU Speed	1GHz	1GHz
Flash Memory	1Gb(NAND)/128Mb(NOR)	1Gb(NAND)/128Mb(NOR)
SDRAM Memory	4G	4G
Packet Buffer	16MB	16MB
MAC Table Size	32K	32K
Switching Capacity	208Gbps	224Gbps
Forwarding Rate	295 Mpps	318 Mpps
PoE Features	802.3af/at, Auto PD Classification, Max Power Output per Port: 30W, Max Simultaneous Power per Port: 15W	802.3af/at, Auto PD Classification, Max Power Output per Port: 30W, Max Simultaneous Power per Port: 15W
PoE Power Budget	740W	740W
L2 Features	SNMP, IGMPv1/v2/v3 Snooping, IGMP v2/v3, IGMP Querier, Unregistered MCast Filtering, 802.1X, LAG, Spanning Tree Protocol, Flow Control, EEE, Jumbo Frames, DHCP Snooping	SNMP, IGMPv1/v2/v3 Snooping, IGMP v2/v3, IGMP Querier, Unregistered MCast Filtering, 802.1X, LAG, Spanning Tree Protocol, Flow Control, EEE, Jumbo Frames, DHCP Snooping
L3 Features	IP Routing Static Routing DHCP Relay	IP Routing Static Routing DHCP Relay
Forwarding Mode	Store and Forward/LIFO	Store and Forward/LIFO
VLAN Features	802.1Q Port-based VLANs Voice VLAN	802.1Q Port-based VLANs Voice VLAN
Jumbo Frame Support	10K	10K
QoS Features	Priority Queues: 8 queues per port, Rate Limiting - Ingress: 16kbps~1000Mbps, Rate Limiting - Egress: 16kbps~1000Mbps, Scheduling: WRR, Strict Priority, WRR+Strict Priority, CoS: 802.1p, IP DSCP/TOS, Physical Port, ACL (L2/L3/L4), ACL (IPv4), Storm Control (Per Port), Class Mapping, Policy Mapping	Priority Queues: 8 queues per port, Rate Limiting - Ingress: 16kbps~1000Mbps, Rate Limiting - Egress: 16kbps~1000Mbps, Scheduling: WRR, Strict Priority, WRR+Strict Priority, CoS: 802.1p, IP DSCP/TOS, Physical Port, ACL (L2/L3/L4), ACL (IPv4), Storm Control (Per Port), Class Mapping, Policy Mapping
Management Features	OvrC, FW Upgrade: TFTP, HTTP, Port Mirroring: One to One, Many to One, SNTP, Dual FW Image, Persistent Logging, Remote Logging	OvrC, FW Upgrade: TFTP, HTTP, Port Mirroring: One to One, Many to One, SNTP, Dual FW Image, Persistent Logging, Remote Logging
Dimensions (W x H x D)	17.32" x 1.73" x 16.14"	17.32" x 1.73" x 16.14"
Line Voltage	100-240V AC, 50/60 Hz	100-240V AC, 50/60 Hz
Power Consumption	Max: 809.1W Device: 69.1W	Max: 803.47W Device: 63.41W
Operating Temperature	32°F-122°F	32°F-122°F
Operating Humidity	10-90%	10-90%
Weight	12.76 lb	12.60 lb
Certifications	FCC, IC, CE, RCM, UL	FCC, IC, CE, RCM, UL
Specifications	AN-420-SW-R-44-POE	AN-420-SW-F-48-POE
Form Factor	1U Rackmount 17.32"" x 1.73"" x 16.14""	1U Rackmount 17.32"" x 1.73"" x 16.14""
Power Consumption (Without PoE)	Device: 69.1W; Device with POE: 809.1W	Device: 63.47W; Device with POE: 803.47W
ARP Entries	192	192
Switching Capacity (bi-directional)	208Gbps	224Gbps
Mp/s @ 88-bytes	295 Mpps	318 Mpps
ACL Features	Ingress/Egress MAC based IP based	Ingress/Egress MAC based IP based
ACLS	16	16
LAGs	8	8
CLI	Yes	Yes
POE Power Load	740W	740W
Ambient Temperature	30C - 50C	30C - 50C
Acoustic	42.6dB - 47.6dB	42.6dB - 47.6dB