Araknis Networks 220 Series Layer 2 Managed Gigabit Switch with Partial PoE+
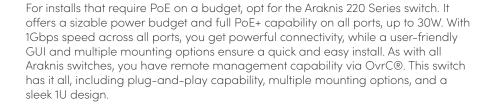
AN-220-SW-R-44-POE

Product Photos

For installs that require PoE on a budget, opt for the Araknis 220 Series switch. It offers a sizable power budget and full PoE+ capability on all ports, up to 30W. With 1Gbps speed across all ports, you get powerful connectivity, while a user-friendly GUI and multiple mounting options ensure a quick and easy install. As with all Araknis switches, you have remote management capability via OvrC®. This switch has it all, including plug-and-play capability, multiple mounting options, and a sleek 1U design.

Even More OvrC Capability

Araknis 220 switches offer enhanced control through OvrC and are future-ready for additional OvrC functionality as it evolves.

Fully Managed

"Fully managed" means full control of the network. This switch provides a full Layer 2 managed solution with functionality to handle the most complex and robust installs.

SFP Uplinks

Utilize this switch's SFP ports for RJ45 uplinks to other devices and fiber uplinks to extend the network over long distances with a stronger signal. These ports feature a dedicated fabric, meaning they do not share a backplane with any other ports on the switch. This ensures you get a full 1Gbps without sacrificing a dedicated PoE port to use them.

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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Specifications	AN-220-SW-R-44-POE
Rack Spacing	1U
10M/100M/1G BASE-T RJ45 Ports	44
SFP Uplink 1000BASE-X Ports	4
Max PoE Per Port	30W
Simultaneously PoE Per Port	8W
CPU Speed	700MHz
RJ45 Auto Negotiation	Yes
RJ45 Auto Sensing	Yes
Auto MDI/MDI-X	Yes
POE Ports	44
Flash Memory	256MB
SDRAM Memory	2G
Packet Buffer	12MB
MAC Table Size	16K
Switching Capacity	86Gbps
Forwarding Rate	136 Mpps
PoE Features	802.3af/at, Auto PD Classification, Max Power Output per Port: 30W, Max Simultaneous Power per Port: 8W
PoE Power Budget	375W
Power Features	Enable/Disable per port, Priority Setting per port, Overloading Protection per port, PoE/1Gbps LED Toggle Setting, PoE Power Withdraw Reading per Port, Power level setting per port
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
Flow Control	802.3x, Back pressure
Forwarding Mode	Store and Forward/LIFO
Spanning Tree	802.1D (STP) 802.1w (RSTP) 802.1s (MSTP)
VLAN Features	802.1Q Port-based VLANs Voice VLAN
Link Aggregation Features	Static, 802.3ad LACP Max Ports per group: 8 Max group: 8
Multicast Features	IGMP Snooping v1/v2/v3; MLD Snooping v1/v2 IGMP Querier IGMP Immediate Leave
Storm Control	Broadcast/Unknown Multi-cast/Unknown Unicast
Jumbo Frame Support	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)
Security Features	Port Security (MAC-based) 802.1x-PNAC (Port-based) IP Source Guard RADIUS HTTPS and SSL SSH v2.0 MAC Filter
Management Protocols	CLI, Web, Telnet, Cloud-based Managed via OvrC
Management Access Filtering	SNMP/Web/Telnet
SNMP	v1,2c,v3
DHCP	Client
Event Log	local flash remote server
Management Features	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"
Line Voltage	100-240V AC, 50/60 Hz
Power Consumption	Max: 417.67W Device: 42.67W
Operating Temperature	32°F-122°F
Operating Humidity	10-90%
Weight	12.46 lb
Certifications	FCC, CE, UL