

Araknis 220 Switches Series

AN-220-SW-F-8-POE, AN-220-SW-R-8-POE,
AN-220-SW-F-16-POE, AN-220-SW-R-16-POE,
AN-220-SW-F-24-POE, AN-220-SW-R-24-POE,
AN-220-SW-R-44-POE, AN-220-SW-F-48-POE



220 Series

For installs that require PoE on a budget, opt for the Araknis 220 series switch. You get a sizable power budget and full PoE+ capability on all ports, up to 30W. 1Gbps speed across all ports allows for powerful connectivity, while a user-friendly GUI and multiple mounting options ensure a quick and easy install.

Even More OvrC Capability

As with all Araknis switches, you have remote management capability via OvrC®. When it comes to operation, this switch has it all, including plug and play capability, multiple mounting options, and a sleek, 1U design.

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.

Dual SFP Uplinks

Use this switch's SFP ports to provide RJ45 uplinks to other devices, as well as fiber uplinks to extend the network over long distances while getting a stronger signal. With a dedicated fabric, these ports don't share a backplane with others—delivering a full 1Gbps without sacrificing a PoE port.



Araknis 220 Switches

AN-220-SW-F-8-POE
AN-220-SW-R-8-POE
AN-220-SW-F-16-POE
AN-220-SW-R-16-POE



Specifications	AN-220-SW-F-8-POE	AN-220-SW-R-8-POE	AN-220-SW-R-16-POE	AN-220-SW-F-16-POE
Rack Spacing	1U	1U	1U	1U
10M/100M/1G BASE-T RJ45 Ports	8	8	16	16
100M/1G/2.5G BASE-T RJ45 Ports	N/A	N/A	N/A	N/A
1G SFP Uplink	2	2	2	2
10G SFP Uplink	N/A	N/A	N/A	N/A
POE Ports	8	8	16	16
Port Orientation	Front Facing Ports	Rear Facing Ports	Front Facing Ports	Rear Facing Ports
Max PoE Per Port	30W	30W	30W	30W
Simultaneously PoE Per Port	8W	8W	8W	8W
CPU Speed	500MHz	500MHz	500MHz	500MHz
Flash Memory	256MB	256MB	256MB	256MB
SDRAM Memory	2G	2G	2G	2G
Packet Buffer	512KB	512KB	512KB	512KB
MAC Table Size	16K	16K	16K	16K
Switching Capacity	20Gbps	20Gbps	36Gbps	36Gbps
Forwarding Rate	28 Mpps	28 Mpps	51Mpps	51Mpps
PoE Features	802.3af/at, Auto PD Classification, Max Power Output per Port: 30W, Max Simultaneous Power per Port: 8W	802.3af/at, Auto PD Classification, Max Power Output per Port: 30W, Max Simultaneous Power per Port: 8W	802.3af/at, Auto PD Classification, Max Power Output per Port: 30W, Max Simultaneous Power per Port: 8W	802.3af/at, Auto PD Classification, Max Power Output per Port: 30W, Max Simultaneous Power per Port: 8W
PoE Power Budget	65W	65W	130W	130W
L2 Features	SNMP, IGMPv1/v2/v3 Snooping, IGMP v2/v3 IGMP Querier, Unregistered MCast Filtering, 802.1X, LAG, Spanning Tree Protocol, Flow Control	SNMP, IGMPv1/v2/v3 Snooping, IGMP v2/v3 IGMP Querier, Unregistered MCast Filtering, 802.1X, LAG, Spanning Tree Protocol, Flow Control	SNMP, IGMPv1/v2/v3 Snooping, IGMP v2/v3 IGMP Querier, Unregistered MCast Filtering, 802.1X, LAG, Spanning Tree Protocol, Flow Control	SNMP, IGMPv1/v2/v3 Snooping, IGMP v2/v3 IGMP Querier, Unregistered MCast Filtering, 802.1X, LAG, Spanning Tree Protocol, Flow Control
L3 Features	EEE, Jumbo Frames	EEE, Jumbo Frames	EEE, Jumbo Frames	EEE, Jumbo Frames
Forwarding Mode	N/A	N/A	N/A	N/A
VLAN Features	Store and Forward/LIFO	Store and Forward/LIFO	Store and Forward/LIFO	Store and Forward/LIFO
Jumbo Frame Support	802.1Q Port-based VLANs Voice VLAN	802.1Q Port-based VLANs Voice VLAN	802.1Q Port-based VLANs Voice VLAN	802.1Q Port-based VLANs Voice VLAN
QoS Features	10K	10K	10K	10K
Management 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)	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)	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)	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)
Dimensions (W x H x D)	OvrC, FW Upgrade: TFTP, HTTP, Port Mirroring: One to One, Many to One, SNMP, Dual FW Image, Persistent Logging, Remote Logging	OvrC, FW Upgrade: TFTP, HTTP, Port Mirroring: One to One, Many to One, SNMP, Dual FW Image, Persistent Logging, Remote Logging	OvrC, FW Upgrade: TFTP, HTTP, Port Mirroring: One to One, Many to One, SNMP, Dual FW Image, Persistent Logging, Remote Logging	OvrC, FW Upgrade: TFTP, HTTP, Port Mirroring: One to One, Many to One, SNMP, Dual FW Image, Persistent Logging, Remote Logging
Line Voltage	12.99" x 1.73" x 9.05"	12.99" x 1.73" x 9.05"	17.32" x 1.73" x 10.23"	17.32" x 1.73" x 10.23"
Power Consumption	100-240V AC, 50/60 Hz	100-240V AC, 50/60 Hz	100-240V AC, 50/60 Hz	100-240V AC, 50/60 Hz
Operating Temperature	Max: 82.81W Device: 11.20W	Max: 82.81W Device: 11.20W	Max: 173.90W Device: 18.12W	Max: 173.90W Device: 18.12W
Operating Humidity	32°F-122°F	32°F-122°F	32°F-122°F	32°F-122°F
Weight	10-90%	10-90%	10-90%	10-90%
Certifications	5.1 lb	5.1 lb	7.4lb	7.4lb
ARP Entries	FCC, CE, UL, RCM	FCC, CE, UL, RCM	FCC, CE, UL, RCM	FCC, CE, UL, RCM
ACL Features	192	192	192	192
ACLs	Ingress/Egress, MAC based, IP based	Ingress/Egress, MAC based, IP based	Ingress/Egress, MAC based, IP based	Ingress/Egress, MAC based, IP based
LAGs	16	16	16	16
CLI	8	8	8	8
	Yes	Yes	Yes	Yes

Araknis 220 Switches

AN-220-SW-F-24-POE
AN-220-SW-R-24-POE
AN-220-SW-R-44-POE
AN-220-SW-F-48-POE



Specifications	AN-220-SW-F-24-POE	AN-220-SW-R-24-POE	AN-220-SW-R-44-POE	AN-220-SW-F-48-POE
Rack Spacing	1U	1U	1U	1U
10M/100M/1G BASE-T RJ45 Ports	24	24	44	44
100M/1G/2.5G BASE-T RJ45 Ports	N/A	N/A	N/A	N/A
1G SFP Uplink	2	2	4	4
10G SFP Uplink	N/A	N/A	N/A	N/A
POE Ports	24	24	44	48
Port Orientation	Front Facing Ports	Rear Facing Ports	Rear Facing Ports	Front Facing Ports
Max PoE Per Port	30W	30W	30W	30W
Simultaneously PoE Per Port	8W	8W	8W	8W
CPU Speed	500MHz	500MHz	700MHz	700MHz
Flash Memory	256MB	256MB	256MB	256MB
SDRAM Memory	2G	2G	2G	2G
Packet Buffer	512KB	512KB	12MB	12MB
MAC Table Size	16K	16K	16K	16K
Switching Capacity	52Gbps	52Gbps	96Gbps	104Gbps
Forwarding Rate	74 Mpps	74 Mpps	136 Mpps	148 Mpps
PoE Features	802.3af/at, Auto PD Classification, Max Power Output per Port: 30W, Max Simultaneous Power per Port: 8W	802.3af/at, Auto PD Classification, Max Power Output per Port: 30W, Max Simultaneous Power per Port: 8W	802.3af/at, Auto PD Classification, Max Power Output per Port: 30W, Max Simultaneous Power per Port: 8W	802.3af/at, Auto PD Classification, Max Power Output per Port: 30W, Max Simultaneous Power per Port: 8W
PoE Power Budget	190W	190W	375W	375W
L2 Features	SNMP, IGMPv1/v2/v3 Snooping, IGMP v2/v3 IGMP Querier, Unregistered MCast Filtering, 802.1X, LAG, Spanning Tree Protocol, Flow Control	SNMP, IGMPv1/v2/v3 Snooping, IGMP v2/v3 IGMP Querier, Unregistered MCast Filtering, 802.1X, LAG, Spanning Tree Protocol, Flow Control	SNMP, IGMPv1/v2/v3 Snooping, IGMP v2/v3 IGMP Querier, Unregistered MCast Filtering, 802.1X, LAG, Spanning Tree Protocol, Flow Control	SNMP, IGMPv1/v2/v3 Snooping, IGMP v2/v3 IGMP Querier, Unregistered MCast Filtering, 802.1X, LAG, Spanning Tree Protocol, Flow Control
L3 Features	EEE, Jumbo Frames	EEE, Jumbo Frames	EEE, Jumbo Frames	EEE, Jumbo Frames
Forwarding Mode	N/A	N/A	N/A	N/A
Forwarding Mode	Store and Forward/LIFO	Store and Forward/LIFO	Store and Forward/LIFO	Store and Forward/LIFO
VLAN Features	802.1Q Port-based VLANs Voice VLAN	802.1Q Port-based VLANs Voice VLAN	802.1Q Port-based VLANs Voice VLAN	802.1Q Port-based VLANs Voice VLAN
Jumbo Frame Support	10K	10K	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)	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)	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)	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)
Management Features	OvrC, FW Upgrade: TFTP, HTTP, Port Mirroring: One to One, Many to One, SNMP, Dual FW Image, Persistent Logging, Remote Logging	OvrC, FW Upgrade: TFTP, HTTP, Port Mirroring: One to One, Many to One, SNMP, Dual FW Image, Persistent Logging, Remote Logging	OvrC, FW Upgrade: TFTP, HTTP, Port Mirroring: One to One, Many to One, SNMP, Dual FW Image, Persistent Logging, Remote Logging	OvrC, FW Upgrade: TFTP, HTTP, Port Mirroring: One to One, Many to One, SNMP, Dual FW Image, Persistent Logging, Remote Logging
Dimensions (W x H x D)	17.32" x 1.73" x 10.23"	17.32" x 1.73" x 10.23"	17.32" x 1.73" x 16.14"	17.32" x 1.73" x 16.22"
Line Voltage	100-240V AC, 50/60 Hz	100-240V AC, 50/60 Hz	100-240V AC, 50/60 Hz	100-240V AC, 50/60 Hz
Power Consumption	Max: 235.65W Device: 27.13W	Max: 235.65W Device: 27.13W	Max: 417.67W Device: 42.67W	Max: 481.40W Device: 48.90W
Operating Temperature	32°F-122°F	32°F-122°F	32°F-122°F	32°F-122°F
Operating Humidity	10-90%	10-90%	10-90%	10-90%
Weight	7.7 lb	7.7 lb	12.46 lb	13.4 lb
Certifications	FCC, CE, UL, RCM	FCC, CE, UL, RCM	FCC, CE, UL, RCM	FCC, CE, UL, RCM
ARP Entries	192	192	192	192
ACL Features	Ingress/Egress, MAC based, IP based	Ingress/Egress, MAC based, IP based	Ingress/Egress, MAC based, IP based	Ingress/Egress, MAC based, IP based
ACLS	16	16	16	16
LAGs	8	8	8	8
CLI	Yes	Yes	Yes	Yes