

Araknis 320 Switches Series

AN-320-SW-F-8, AN-320-SW-R-8, AN-320-SW-F-8-POE, AN-320-SW-R-8-POE, AN-320-SW-F-16, AN-320-SW-R-16, AN-320-SW-F-16-POE, AN-320-SW-F-24, AN-320-SW-R-24, AN-320-SW-F-24-POE, AN-320-SW-R-24-POE, AN-320-SW-F-48



320 Series

Get powerful, reliable connectivity for a wide range of network devices with the 320 Series of switches. 1Gbps speed across all ports allows for powerful connectivity, while a user-friendly GUI and multiple mounting options ensure a quick and easy install. Plus, LEDs on the front and back of the device make it easy to see port status. As with all Araknis switches, you'll have remote management capability via OvrC®. See how the 48-port, 24-port, 16-port, and 8-port models compare to the competition.

Even More OvrC Capability

With a new design and greater enhanced memory than found in previous generations, the Araknis 320 switch offers additional control via OvrC. Enhanced memory enables the switch to automatically recognize which device is connected to each port—plus, it's built to support future OvrC features as they're released.

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 320 Switches

AN-320-SW-F-8
AN-320-SW-R-8
AN-320-SW-F-8-POE
AN-320-SW-R-8-POE



Specifications	AN-320-SW-F-8	AN-320-SW-R-8	AN-320-SW-F-8-POE	AN-320-SW-R-8-POE
Rack Spacing	1U	1U	1U	1U
10M/100M/1G BASE-T RJ45 Ports	8	8	8	8
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	N/A	N/A	8	8
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	15W	15W	15W	15W
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	20Gbps	20Gbps
Forwarding Rate	28 Mpps	28 Mpps	28 Mpps	28 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: 15W	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	130W	130W	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, 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	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
Line Voltage	12.99" x 1.73" x 9.05"	12.99" x 1.73" x 9.05"	12.99" x 1.73" x 9.05"	12.99" x 1.73" x 9.05"
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: 10W	Max: 10W	Max: 157.06W Device: 12.92W	Max: 157.06W Device: 12.92W
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	6.94 lb	6.94 lb	4.45 lb	4.45 lb
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 320 Switches

AN-320-SW-F-16
AN-320-SW-R-16
AN-320-SW-F-16-POE
AN-320-SW-R-16-POE



Specifications	AN-320-SW-F-16	AN-320-SW-R-16	AN-320-SW-F-16-POE	AN-320-SW-R-16-POE
Rack Spacing	1U	1U	1U	1U
10M/100M/1G BASE-T RJ45 Ports	16	16	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	N/A	N/A	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	15W	15W	15W	15W
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	36Gbps	36Gbps	36Gbps	36Gbps
Forwarding Rate	51Mpps	51Mpps	51Mpps	51Mpps
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	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	250W	250W	250W	250W
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	17.32" x 1.73" x 10.23"	17.32" x 1.73" x 10.23"	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: 12.48W	Max: 12.48W	Max: 297.74W Device: 22.30W	Max: 297.74W Device: 22.30W
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	7.56 lb	7.56 lb	6.23 lb	6.23 lb
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 320 Switches

AN-320-SW-F-24
AN-320-SW-R-24
AN-320-SW-F-24-POE
AN-320-SW-R-24-POE



Specifications	AN-320-SW-F-24	AN-320-SW-R-24	AN-320-SW-F-24-POE	AN-320-SW-R-24-POE
Rack Spacing	1U	1U	1U	1U
10M/100M/1G BASE-T RJ45 Ports	24	24	24	24
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	N/A	N/A	24	24
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	15W	15W	15W	15W
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	52Gbps	52Gbps	52Gbps	52Gbps
Forwarding Rate	74Mpps	74Mpps	74Mpps	74Mpps
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	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	375W	375W	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
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	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 16.14"
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: 18.29W	Max: 18.29W	Max: 441.05W Device: 26.65W	Max: 441.05W Device: 26.65W
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	12.2 lb	12.2 lb	6.41 lb	6.41 lb
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

Specifications	AN-320-SW-F-48
Rack Spacing	1U
10M/100M/1G BASE-T RJ45 Ports	48
100M/1G/2.5G BASE-T RJ45 Ports	N/A
1G SFP Uplink	4
10G SFP Uplink	N/A
POE Ports	N/A
Port Orientation	Front Facing Ports
Max PoE Per Port	30W
Simultaneously PoE Per Port	15W
CPU Speed	700MHz
Flash Memory	256MB
SDRAM Memory	2G
Packet Buffer	12MB
MAC Table Size	16K
Switching Capacity	104Gbps
Forwarding Rate	148Mpps
PoE Features	802.3af/at, Auto PD Classification, Max Power Output per Port: 30W, Max Simultaneous Power per Port: 15W
PoE Power Budget	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
L3 Features	N/A
Forwarding Mode	Store and Forward/LIFO
VLAN Features	802.1Q Port-based VLANs Voice VLAN
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)
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 10.22"
Line Voltage	100-240V AC, 50/60 Hz
Power Consumption	Max: 38.40W
Operating Temperature	32°F-122°F
Operating Humidity	10-90%
Weight	8.2 lb
Certifications	FCC, CE, UL, RCM
ARP Entries	192
ACL Features	Ingress/Egress, MAC based, IP based
ACLS	16
LAGs	8
CLI	Yes