Araknis Networks® 620-Series L3 Managed Multi-Gigabit PoE++ Switch

AN-620-SW-R-8-POE
AN-620-SW-R-24-POE

The Araknis 620 series switch offers 2.5G throughput while fully supporting bandwidth requirements for Wi-Fi 6 as well as business-class and advanced AV networking applications. Each PoE++ Type 3 port can deliver up to 60W of power. With its Layer 3 Lite functionality, the 620 series can make the network more efficient by locally routing traffic instead of relying on the router.

For Today's Network Needs

With Layer 3 on top of Layer 2 functionality, fully PoE++ Type 3 capable ports supporting up to 60W each, and 2.5G available on every port, this switch is perfect for Wi-Fi 6 deployments.

Greater Control with OvrC

Araknis works with OvrC to extend the switch configuration and management to the cloud allowing for faster deployments and remote troubleshooting without rolling a truck. Customers can use OvrC Connect to fix common issues on their network and to view their network status. Araknis also works with other popular control systems.

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	AN-620-SW-R-24-POE	AN-620-SW-R-8-POE
Form-Factor	1U Rackmount / 443 x 300 x44 mm	1U Rackmount / 443 x 300 x44 mm
Power Consumption (Without PoE)	88.47W Maximum / 70.77W Typical	42.1W Maximum / 33.68W Typical
Line Voltage	100-240V AC, 50/60Hz	100-240V AC, 50/60Hz
Weight (Chassis Only)	4.38kg (9.7lbs)	3.688kg (8.1lbs)
100M/1G/2.5G BASE-T RJ45 Ports	24	8
SFP/SFP+ Ports	2	2
Console Port (Micro-USB)	1	1
Dedicated MGMT Interface	No	No
Power Redundancy	No	No
Hot swappable PSU (CRPS)	No	No
PoE Budget	720W (12 Ports@60W)	240W (4 Ports@60W)
Max PoE Per Port	60W	60W
OTP	No	No
Variable Fan Speed	Yes	Yes
Fan Noise	Please See data below	Please See data below
CPU	1GHz, 512MB, 128MB Flash	800MHz, 512MB, 128MB Flash"
MAC Entries	16K	16K
ARP Entries	1000	1000
Switching Capacity (bi-directional)	160Gbps	80Gbps
Forwarding Mode	Store and Forward/LIFO	Store and Forward/LIFO
Mp/s @ 88-bytes	227	113
Packet Buffer	2MB	2MB
Jumbo frames	9K	9K
Multicast IGMP Group Membership (L2/L3)	255/0	255/0
VLANs	256	256
ACLS	4K	2K
LAGs	128	128
CLI	Yes	Yes
QoS Features	Ingress/Egress, ACL (L3/L4), ACL (IPv4)	Ingress, ACL (L3/L4), ACL (IPv4)
PoE Features	Priority Control (per port), Perpetual PoE, Fast PoE Configurable Usage Threshhold, 802.3bt Type 3 compliant 60W	Priority Control (per port), Perpetual PoE, Fast PoE, Configurable Usage Threshhold, 802.3bt Type 3 compliant 60W
VLAN Features	802.1Q, Port Based, MAC Based	802.1Q, Port Based, MAC Based
ACL Features	IP/Protocol, Inbound/Outbound	IP/Protocol, Inbound
Layer 2 Features	SNMP, IGMPv1/v2/v3 Snooping, MLDv1/v2 Snooping, IGMP Querier, Unregistered MCast Filtering, LLDP-MED, LAG, STP, Storm Control (Per Port), Flow Control (Per Port), RSPAN	SNMP, IGMPv1/v2/v3 Snooping, MLDv1/v2 Snooping, IGMP Querier, Unregistered MCast Filtering, LLDP-MED, LAG, STP, Storm Control (Per Port), Flow Control (Per Port), RSPAN
Layer 3 Features	DHCP Client, Port Based Routing, VLAN Based Routing, Static Routing	DHCP Client, Port Based Routing, VLAN Based Routing, Static Routing
Management Features	OvrC Management, Web/Telnet/CLI/SNMP, Full RESTful API, Dual Firmware Image, Editable Configuration File (CLI), SSLv3/TLS1.2/SSHv2(SHA2), Persistent Logging"	OvrC Management, Web/Telnet/CLI/SNMP, Full RESTful API, Dual Firmware Image, Editable Configuration File (CLI), SSLv3/TLS1.2/SSHv2(SHA2), Persistent Logging
Temperature Range	Operating: 0-50C	Operating: 0-50C
Humidity Range	0-90% non-condensing	0-90% non-condensing
Certifications	FCC/IC/CE/AU/cTUVus/IEC62368-1/ERP/RoHS	FCC/IC/CE/AU/cTUVus/IEC62368-1/ERP/RoHS

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Acoustic Table

Model	PoE Power Load	Ambient Temperature	Acoustic
AN-620-SW-R-24-POE	720W	30°C	36dBa
	720W	50°C	54.2dBa
AN-620-SW-R-8-POE	240W	30°C	28.2dBa
	240W	50°C	49dBa