

Xirrus XT-5024 / XT-5048

Enterprise-Class L2+ Gigabit Managed Access Switch Family
with 802.3at PoE+, 4 1/10G SFP+ Ports, and Stacking

DATASHEET

The XT access switch series is an enterprise class, advanced Layer 2+ switching platform. The XT access switch series along with the Xirrus XR wireless LAN AP/Array series delivers enterprises a unified access layer that is simple to manage yet provides powerful capabilities to support advanced applications. XT switches and XR wireless LAN AP/Arrays are manageable by a single management platform, the Xirrus Management System (XMS), available in an on-premise virtual instance or a cloud-based version.

XT Series access switches are available in two models—24-port and 48-port GigE switches. Both switches have four 10GigE SFP+ uplinks, which can be run in conjunction with all the copper interfaces, for high bandwidth access to applications and content.

The XT Series access switches support advanced power management with 802.3at (PoE+) and 802.3af (PoE) on every port. Power is dynamically managed across all switch ports to power access points, VoIP phones, IP surveillance cameras, and other PoE/PoE+ compliant devices.

The XT Series access switches can be deployed at the campus edge, in remote offices, and in workgroup environments. The access network can be virtualized with stacking over the SFP+ ports, enabling IT administrators to expand the edge capacity easily and simplify management of the entire stack with a single IP address.

Key Features and Benefits

“Single Pane of Glass” Management of Wired and Wireless Networks

The Xirrus unified access layer is managed* by the Xirrus Management System (XMS), providing single pane of glass management for both Xirrus wired and wireless networks. The XMS is a comprehensive platform that provides in-depth visibility into users, devices, applications, and traffic on the network, in addition to complete configuration management of the wired and wireless networks. The XMS is available in on-premise and cloud-hosted options.

Ample Power for Unified Access Networks

The XT Series access switches provide Power-over-Ethernet (PoE/PoE+) to power IP-based devices such as IP phones, wireless APs, and IP video cameras. The XT-5024 provides up to 370 W and XT-5048 up to 779W of power. The intelligent



power management scheme built into the switches optimizes the power distribution based on the capabilities of the end IP devices. Power is dynamically pooled from the power supply across all the ports. The XT-5048 switches also support external redundant power supplies (RPS) for high availability.

Auto Activation and Zero-Touch Provisioning

The XT Series access switches support* Xirrus Mobilize—a cloud-based provisioning service that automates and simplifies IT deployment with plug-and-play networking. Upon initial power up at installation, Xirrus switches are auto-discovered by Mobilize which automatically updates to latest firmware levels and provides initial configuration. This zero-touch provisioning completely eliminates manual IT intervention, streamlining processes to configure and provision the switches. Xirrus Mobilize can be implemented with or without the XMS across a unified wired and wireless Xirrus network.

Scalable Network Edge with Stacking

Multiple switches can be stacked together to simplify management using one IP address. Switches can be added into the stack as the capacity demand grows, for a maximum of eight nodes per stack.

Advanced Security

The XT Series access switches provide advanced security features, particularly essential to support guest access and onboarding of non-IT issued devices. The switches support AAA based on RADIUS and 802.1x. IP spoofing with IP source guard blocks undesirable traffic with ACLs and provides port security with port/MAC locking.

XT-5024/XT-5048

	XT-5024	XT-5048
Line Rate Switching (64 byte packets)	95.23Mpps	130.94Mpps
Line Rate Switching (Gigabits per sec)	128Gbps	176Gbps
Copper Interfaces	24 10/100/1000Mbps	48 10/100/1000Mbps
PoE Budget	370 Watts	779 Watts
PoE Budget Management	Pooled across all ports	Pooled across all ports
Uplink Ports	4 1/10Gbps SFP+ – can be run in conjunction with all 48 copper interfaces	4 1/10Gbps SFP+ – can be run in conjunction with all 48 copper interfaces
VLANs	4096	4096
Concurrent Active VLANs	4000	4000
Redundant Power	No	External RPS
Width	17.4" / 442 mm	17.4" / 442 mm
Height	1.73" / 44 mm	1.73" / 44 mm
Depth	15.15" / 385 mm	15.15" / 385 mm
Weight	8.16 lbs / 3.7 kg	11 lbs / 5.0 kg
Power	100-240 VAC 50-60 Hz	100-240 VAC 50-60 Hz
Certification	CE Mark, FCC Class A	CE Mark, FCC Class A
Operating Temperature	0° to 40° C	0° to 40° C
Storage Temperature	-20°C to +70°C	-20°C to +70°C
Operating Humidity	10% to 90% (non-condensing)	10% to 90% (non-condensing)

PHYSICAL

Interfaces	24 or 48 ports – 10/100/1000Mbps RJ-45 4 SFP+ 1/10Gbps – can be run in conjunction with the copper interfaces DB9 Console Port
Power over Ethernet	802.3af / 802.3 at 30 Watts maximum per port Power is dynamically pooled across all ports
Green	802.3az Auto port on/off Cable Length Detection

LAYER 2 SWITCHING

General	Jumbo Frame Support – 9KB MAC Table – 32,000 entries
Spanning Tree	Spanning Tree 802.1d Rapid Spanning Tree 802.1w Multiple Spanning Tree 802.1s
Discovery	LLDP (Link Layer Discovery Protocol) 802.1AB with LLDP-MED Extensions
Trunking	LACP 802.3ad 26 groups total 8 ports per group
VLAN	Port-based VLANs 802.1q tag-based VLANs MAC-based VLANs Management VLAN Private VLAN Edge (PVE) Voice VLAN Generic VLAN Registration (GVRP)

