

# 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 uplinks for high bandwidth access to applications and content.

The XT Series access switches support advanced power management with 802.11at (PoE+) and 802.11af (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.

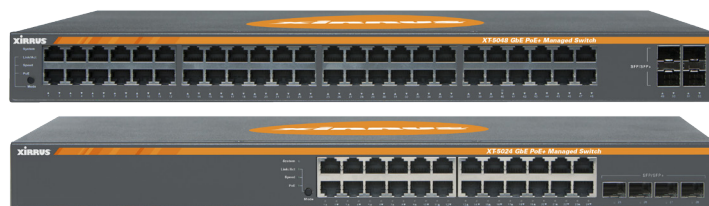
## Key Features and Benefits

### “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+             | 4 1/10Gbps SFP+             |
| 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<br>4 SFP+ 1/10Gbps<br>DB9 Console Port                   |
| Power over Ethernet | 802.3af / 802.3 at<br>30 Watts maximum per port<br>Power is dynamically pooled across all ports |
| Green               | 802.3az Auto port on/off<br>Cable Length Detection  |

### LAYER 2 SWITCHING

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



## LAYER 2 SWITCHING

|               |  |
|---------------|--|
| IGMP          | IGMP Snooping – v1 / v2 / v3<br>IGMP Querier<br>IGMP Proxy MLDv1 / v2 Snooping   |
| IP            | IPv4<br>IPv6   |
| Security      | 802.1x<br>IGMP-RADIUS based 802.1x Dynamic VLANs<br>Layer 2 Isolation Private VLAN Edge (PVE)<br>Port Security – MAC / port mapping lock<br>IP Source Guard<br>RADIUS<br>TACACS+<br>Access Control List (ACL) – 256 entries  |
| QoS           | Hardware Queues – 8 queues<br>Scheduling – Weighted Round Robin (WRR)<br>Scheduling – Strict Priority<br>Queue Assignment – DSCP<br>Queue Assignment – 802.1p / CoS<br>Classification – Port-based<br>Classification – 802.1p VLAN Priority-based<br>Classification – IPv4/v6 Precedence<br>Classification – Type of Service (ToS)<br>Classification – DSCP-based<br>Classification – DiffServ |
| Rate Limiting | Ingress Policer<br>Egress Shaping and Rate Control<br>Per VLAN<br>Per Flow<br>Per Port   |

## MANAGEMENT

|                      |   |
|----------------------|---|
| Management Interface | CLI via SSH v1 / v2<br>CLI via DB9 console port<br>Web GUI Interface<br>Manageable by Xirrus XMS*<br>Manageable by Xirrus XMS-C (Cloud)*<br>Firmware Upgrade – HTTP(S) / TFTP |
| SNMP                 | SNMP v1, v2c, v3  |

\*Roadmap Item

## ORDERING INFORMATION

|         |   |
|---------|---|
| XT-5024 | 24 port L2+ PoE+ Gigabit Managed Switch |
| XT-5048 | 48 port L2+ PoE+ Gigabit Managed Switch |

## Support & Maintenance

Xirrus is committed to the success of our customers and provides warranties and support options to best fit your needs. For further information on the Xirrus hardware warranties, software support and premium support offerings visit:

<http://www.xirrus.com/support/>

## About Xirrus

To organizations who depend on wireless access to transform their business, Xirrus is the wireless network solution provider that provides the world's most powerful, scalable, and trusted solutions. Through product invention and system design, commitment to customer success, and the industry's best price performance, Xirrus gives you confidence that your wireless network performs under even the most demanding circumstances. Xirrus is a privately held company headquartered in Thousand Oaks, CA.



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