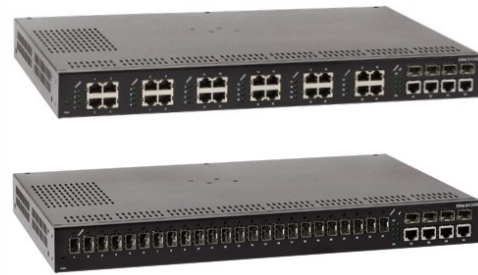## Features

- Managed 24 + 4-port Ethernet switch
- 24 x 10/100Base-TX ports or 100Base-FX SFP slots
- 4x combo 10/100/1000Base-TX or 1000Base-FX SFP slots
- Non-blocking store-and-forward switching
- Password-protected web interface
- IGMP multicast and Rapid Spanning Tree
- VLAN tagging (802.1Q)

FE
x24

SFP
x4

GIGABIT
1 GbE
x4

# XSNet™ S4124SW and XSNet™ S4124SW SFP
## 24+4-Port Gigabit Ethernet Switches

## Description

The Siqura® XSNet™ S4124SW and XSNet™ S4124SW SFP switches play a crucial role in the reliable transport of IP streams. The XSNet™ S4124SW has 24 10/100Base-TX ports. The XSNet™ S4124SW SFP model has 24 100Base-FX SFP slots. Both models have four combination backbone ports.

### Reliable operation
The XSNet™ S4124SW and XSNet™ S4124SW SFP switches provide exceptional performance under industrial conditions. This switch line offers Rapid Spanning Tree to ensure prompt switchover times and to secure reliable transport of video, audio, and data streams. The XSNet™ S4124SW and XSNet™ S4124SW SFP utilise IGMP for reliable transport of multicast data. Quality of Service is addressed via QoS (IEEE 802.1p) and tagged VLANs (802.1Q), crucial functions for reliable real-time services.

### Configuration
The XSNet™ S4124SW offers 24 independent 10/100Base-TX ports, featuring autonegotiation and auto-MDI/MDIX.

The XSNet™ S4124SW SFP model offers 24 independent 100Base-FX SFP slots designed to interconnect with Siqura's range of cameras with either built-in SFP or Ethernet-over-Coax functionality.

Both models provide four combo backbone ports (10/100/1000Base-TX in parallel with 1000Base-FX SFP).

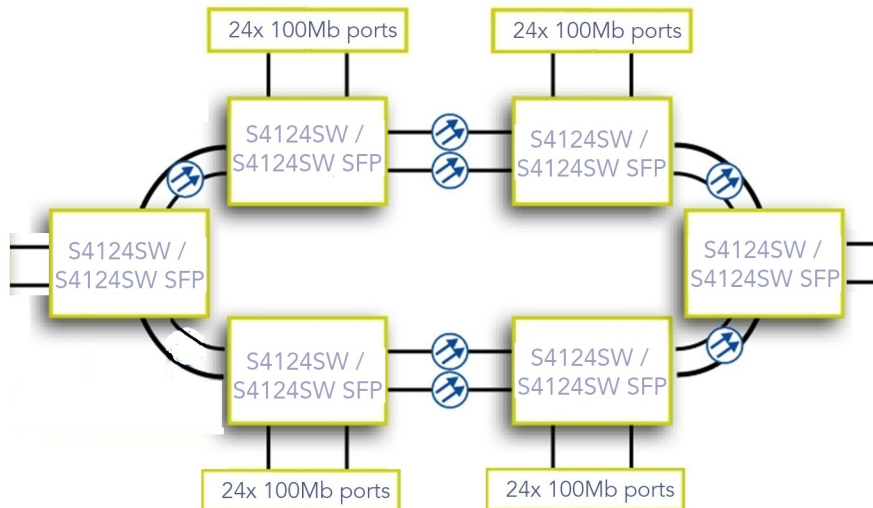Configuration and management are straightforward with the built-in web interface and SNMP agent.

### Mounting
These Siqura® switches come as standalone or 19-inch 1 RU rack–mount modules.

| Performance | |
|---|---|
| Address table size | 8192 addresses |
| Switching fabric | Non-blocking |
| Switching method | Store-and-forward |

| Electrical | |
|---|---|
| Interface(s) | XSNet S4124SW: 24x 10/100Base-TX + 4x 10/100/1000Base-TX<br>XSNet S4124SW SFP: 24x 100Base-FX SFP + 4x 10/100/1000Base-TX |
| Connector type | XSNet S4124SW: 24 + 4x RJ-45<br>XSNet S4124SW SFP: 4x RJ-45 |
| Maximum distance | 100m |

| Optical | |
|---|---|
| Interface(s) | XSNet S4124SW: 4x 1000Base-FX<br>XSNet S4124SW SFP: 24x 100Base-FX + 4x 1000Base-FX |
| Type of interface | Empty SFP slot (see XSNet SFP data sheet) |

| Standards | |
|---|---|
| IEEE 802.3 | 10Base-T specification |
| IEEE 802.3u | 100Base-TX |
| IEEE 802.3x | Full-duplex operation |
| IEEE 802.3z | 1000Base-FX |
| IEEE 802.1p | QoS |
| IEEE 802.1Q | Tagged VLAN |
| IEEE 802.1w | Rapid Spanning Tree Protocol |
| IEEE 802.1x | Port-based Network Access Control |

# Technical Specifications
## XSNet™ S4124SW and XSNet™ S4124SW SFP

### Management

| | |
|---|---|
| Multicast | IGMP snooping (v1, v2, v3) |
| Management agent | SNMP (RMON, v1, v2c, v3) |
| LED status indicators | |
|    Power | Power indication |
|    Per electrical port | Link/activity |
|    Per SFP Port | Link/activity |
| Management protocols | |
|    Out-of-band | Command line interface in RS-232 console, DB9 connector |
|    In-band | SNMP (v1, v2c, v3), HTTP (password protected), TFTP |

### Powering

| | |
|---|---|
| Power consumption | 42.7W maximum |
| Power source | 90-264VAC, 50-60Hz |

### Environmental

| | |
|---|---|
| Operating temperature | -10°C to +60°C (+14°F to +140°F) |
| Storage temperature | -40°C to +85°C (-40°F to +185°F) |
| Relative humidity | 5% to 95% with no condensation |
| Safety and EMC | EM 50121-4 railway, IEC/EN 60950-1, IEC/EN 61000; IEC/EN 55022, FCC part 15 |

### Mechanical

| | |
|---|---|
| Dimensions (h x w x d) | 44.2 x 442 x 250mm (1.74 x 17.4 x 9.8in) |
| Weight | 6.2kg (13.7lbs) |
| Housing | 19" rack-mount unit |

### Ordering information

| Models | Description |
|---|---|
| XSNet™ S4124SW | Managed switch with 24 10/100Base-TX ports and four combination backbone ports |
| XSNet™ S4124SW SFP | Managed switch with 24 100Base-FX SFP slots and four combination backbone ports |