

# ServerSwitchIQ™ Professional with RAID

## Video recording appliance with automated cybersecurity

Enterprise-class storage • Redundant Power • RAID • 600 Mbps • Up to 128TB

Razberi ServerSwitchIQ™ Professional is a purpose-built video appliance that integrates a server, surveillance-class storage and a managed PoE switch. Part of a complete suite of appliances that provide security leaders with unmatched video recording, scalability, reliability, cloud-based health monitoring and automated cybersecurity.

Built for security, engineered for performance, open architected and optimized to reduce the impact of megapixel cameras on the network.



ServerSwitchIQ Pro 24 Port, up to 72TB  
1U form factor



ServerSwitchIQ Pro 24 Port, up to 128TB  
2U form factor

### RAZBERI SERVERSWITCHIQ™ APPLIANCES

**Intelligent, high performance** video surveillance recording appliances that are more than an NVR

**Purpose-built** design to support megapixel camera resolutions

**All-in-one** server, managed PoE switch and storage

**Open platform**, certified with leading VMS and analytics partners.

### KEY FEATURES

- Intel Xeon Processor
- 24 PoE+ ports with up to 440W total output
- Redundant power supply (2U form factor)
- RAID controller with memory cache and powerfailure protection
- Video storage up to 128TB using enterprise-class HDDs
- Razberi CameraDefense™ automated camera hardening

### KEY BENEFITS

#### IT Friendly

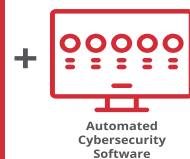
Store video at edge to reduce impact on IP networks by up to 95% without compromising quality.

#### Remotely Monitor and Manage

Remotely manage with less staff and fewer costly truck rolls with Razberi Monitor. Monitor system health and cyber security.

#### Cybersecure

Automatically harden cameras with built-in CameraDefense. Protect the video server with ApplianceDefense™, AI-based antivirus and malware protection that does not compromise VMS performance.



# Razberi ServerSwitchIQ™ Professional with RAID SPECIFICATIONS



## Razberi ServerSwitchIQ™ Professional with RAID Specifications

<b>Intelligent Features</b>	Razberi Monitor™ health monitoring Razberi CameraDefense™ automated camera hardening Razberi ApplianceDefense™ antivirus and malware protection	<b>Uplinks</b>	2 x 10/100/1000 Mbps Combo SFP 2 x 10/100/1000 Mbps RJ-45
<b>Processor</b>	Intel Xeon E3-1275v3 Processor Passmark: 9901	<b>Video Out</b>	HDMI (3840 x 2160 Max.) VGA (2048 x 1536 Max.)
<b>Operating System</b>	Windows 10 Enterprise 2019 LTSC Windows Server 2016	<b>USB</b>	2 x USB 3.0 (rear), 2 x USB 2.0 (front)
<b>Boot Drive</b>	256GB mSATA	<b>eSATA</b>	Yes
<b>Memory</b>	16 GB DDR3	<b>Input Voltage</b>	90 to 265 VAC
<b>Graphics</b>	Intel HD Graphics P4600 w/Quick Sync Support	<b>Typical Current</b>	500W supply 8.2A @ 115 VAC 750W supply 12A @ 115 VAC
<b>Switch Control</b>	HTTPS Browser Interface Layer 2 Switching VLAN Management	<b>Switch Fabric</b>	4.4 Gbps, full mesh with zero packet loss
<b>PoE</b>	IEEE 802.3af, IEEE 802.3at (PoE+), up to 30W per port	<b>HDDs</b>	3.5 inch Enterprise class, native 4K sectors 2, 4, 6, 8, 10, 12, 14, 16, 18TB
<b>RAID</b>	0/1/5/6/10/JBOD	<b>RAID Controller</b>	1 or 2 GB DDR4/2100 MHz cache Cache power-failure protection Support for native 4K sectors
<b>Operating Environment</b>	0°C to 45°C (32°F to 113°F) 10% to 90% RH Non-condensing	<b>Certifications</b>	FCC, RoHS, FCC Part15 Class A, CISPR22, EN 55022: Class A, EN 6100-3-2, EN 61000-3-3, EN 55024, EN 60950-1

## Razberi ServerSwitchIQ™ Professional with RAID Model-Specific Table (Standard PoE Output)

Part Number	Total PoE Output	Storage (TB)	RAID Cache DDR4	Processor	Memory (DDR3)	Power Supply	Dimensions (L x W x H)	Heat Load BTU/hr.	Mounting	Weight
<b>Razberi ServerSwitchIQ Professional with RAID (24 PoE Ports, 1U)</b>										
SSIQ24P-2-XE-16T	266 W	16 TB (4 x 4TB)	1 GB	Xeon E3	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-2-XE-24T	266 W	24 TB (4 x 6TB)	1 GB	Xeon E3	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-2-XE-32T	266 W	32 TB (4 x 8TB)	1 GB	Xeon E3	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-2-XE-40T	266 W	40 TB (4 x 10TB)	1 GB	Xeon E3	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-2-XE-48T	266 W	48 TB (4 x 12TB)	1 GB	Xeon E3	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-2-XE-56T	266 W	56 TB (4 x 14TB)	1 GB	Xeon E3	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-2-XE-64T	266 W	64 TB (4 x 16TB)	1 GB	Xeon E3	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-2-XE-72T	266 W	72 TB (4 x 18TB)	1 GB	Xeon E3	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
<b>Razberi ServerSwitchIQ Professional with RAID (24 PoE Ports, 2U)</b>										
SSIQ24P2U-2-XE-48T	230 W	48TB (8 x 6TB)	2 GB	Xeon E3	16 GB	2 x 500W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766	Rack Rails	40.1 pounds
SSIQ24P2U-2-XE-64T	230 W	64TB (8 x 8TB)	2 GB	Xeon E3	16 GB	2 x 500W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766	Rack Rails	40.1 pounds
SSIQ24P2U-2-XE-80T	230 W	80TB (8 x 10TB)	2 GB	Xeon E3	16 GB	2 x 500W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766	Rack Rails	40.1 pounds
SSIQ24P2U-2-XE-96T	230 W	96TB (8 x 12TB)	2 GB	Xeon E3	16 GB	2 x 500W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766	Rack Rails	40.1 pounds
SSIQ24P2U-2-XE-112T	230 W	112TB (8 x 14TB)	2 GB	Xeon E3	16 GB	2 x 500W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766	Rack Rails	40.1 pounds
SSIQ24P2U-2-XE-128T	230 W	128TB (8 x 16TB)	2 GB	Xeon E3	16 GB	2 x 500W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766	Rack Rails	40.1 pounds

Contact us for a demonstration or more information  
Phone: 469-328-3380  
Hours: 8:00 AM to 5:00 PM CT



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# Razberi ServerSwitchIQ™ Professional with RAID SPECIFICATIONS



## Razberi ServerSwitchIQ™ Professional with RAID Model-Specific Table (Optional Upgraded PoE Output)

Part Number	Total PoE Output	Storage (TB)	RAID Cache DDR4	Processor	Memory (DDR3)	Power Supply	Dimensions (L x W x H)	Heat Load BTU/hr.	Mounting	Weight
<b>Razberi ServerSwitchIQ Professional with RAID (24 PoE Ports, 1U)</b>										
SSIQ24PX-2-XE-16T	440 W	16 TB (4 x 4TB)	1 GB	Xeon E3	16 GB	1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24PX-2-XE-24T	440 W	24 TB (4 x 6TB)	1 GB	Xeon E3	16 GB	1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24PX-2-XE-32T	440 W	32 TB (4 x 8TB)	1 GB	Xeon E3	16 GB	1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24PX-2-XE-40T	440 W	40 TB (4 x 10TB)	1 GB	Xeon E3	16 GB	1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24PX-2-XE-48T	440 W	48 TB (4 x 12TB)	1 GB	Xeon E3	16 GB	1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24PX-2-XE-56T	440 W	56 TB (4 x 14TB)	1 GB	Xeon E3	16 GB	1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24PX-2-XE-64T	440 W	64 TB (4 x 16TB)	1 GB	Xeon E3	16 GB	1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24PX-2-XE-72T	440 W	72 TB (4 x 18TB)	1 GB	Xeon E3	16 GB	1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
<b>Razberi ServerSwitchIQ Professional with RAID (24 PoE Ports, 2U)</b>										
SSIQ24PX2U-2-XE-48T	440 W	48TB (8 x 6TB)	2 GB	Xeon E3	16 GB	2 x 750W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766	Rack Rails	40.1 pounds
SSIQ24PX2U-2-XE-64T	440 W	64TB (8 x 8TB)	2 GB	Xeon E3	16 GB	2 x 750W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766	Rack Rails	40.1 pounds
SSIQ24PX2U-2-XE-80T	440 W	80TB (8 x 10TB)	2 GB	Xeon E3	16 GB	2 x 750W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766	Rack Rails	40.1 pounds
SSIQ24PX2U-2-XE-96T	440 W	96TB (8 x 12TB)	2 GB	Xeon E3	16 GB	2 x 750W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766	Rack Rails	40.1 pounds
SSIQ24PX2U-2-XE-112T	440 W	112TB (8 x 14TB)	2 GB	Xeon E3	16 GB	2 x 750W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766	Rack Rails	40.1 pounds
SSIQ24PX2U-2-XE-128T	440 W	128TB (8 x 16TB)	2 GB	Xeon E3	16 GB	2 x 750W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766	Rack Rails	40.1 pounds

## Razberi ServerSwitchIQ™ Professional with RAID Performance Specifications

Maximum Recording Datarate (Mbps)	Configuration	Maximum Cameras
600	RAID 6	150 x 4Mbps

Test results using Milestone XProtect while mainting CPU utilization less than 70% and memory utilization less than 40%.

Contact us for a demonstration or more information  
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