

# ServerSwitchIQ™ Pro Intel Xeon® Edition



Simple, Secure Video Surveillance and IoT Solutions



ServerSwitchIQ Pro 16/24 Port, up to 56TB  
1U form factor



ServerSwitchIQ Pro 24 Port, up to 112TB  
2U form factor

Purpose-built as a professional-level, all-in-one appliance with a server, storage and managed PoE switch. Built for security, engineered for performance, open architected and optimized to reduce the impact of megapixel cameras on the network. Part of a complete suite of appliances that provide security leaders unmatched video recording, scalability, reliability, and cloud-based cybersecurity and health monitoring features.

## FEATURES:

- Intelligent, high performance video surveillance recording appliances that are more than an NVR
- Supports local video viewing with Intel Quick Sync
- Up to 24 PoE+ ports with up to 440W total output
- All-in-one server, managed PoE+ switch and storage
- Razberi Monitor™ health monitoring features
- Razberi CameraDefense™ automatic camera hardening
- CylancePROTECT® antivirus and malware protection
- High performance Intel Xeon® processor
- Solid State boot drive to protect software
- Up to 112TB of video storage, using surveillance HDD
- RAID 0/1/5/6/10/JBOD options
- Easily removable HDD trays
- 3 Year Warranty, optional 5 Year with advance replacement service



- **Reduce impact on IP networks by up to 95% without compromising quality**
- **Harden cameras and video management with best practice cybersecurity**
- **Deliver real-time alerts to monitor system health and cybersecurity**

[See the Video : razberi.net/ROI](http://razberi.net/ROI)

Razberi is open and certified with world-class VMS partners



Contact Razberi Technologies for a demonstration or more information at [razberi.net](http://razberi.net)



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## Razberi ServerSwitchIQ Pro Intel Xeon® Specifications

<b>Intelligent Features</b>	Razberi Monitor™ health monitoring Razberi CameraDefense™ automatic camera hardening CylancePROTECT® 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 2016 LTSB (64 bit) or Windows Server Standard 2012R2 Windows Server 2016	<b>USB</b>	2 x USB 3.0 (rear), 2 x USB 2.0 (front)
<b>Boot Drive</b>	120GB 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) 5.3A @ 115 VAC (750W Supply) 8.2A @ 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>	IEE 802.3af, IEEE 802.3at (PoE+), up to 30 W per port	<b>HDDs</b>	3.5 inch Surveillance class 2,4,6,8,10,12,14 TB
<b>RAID</b>	0/1/5/6/10/JBOD	<b>RAID Controller</b>	1 or 2 GB DDR4/2100 MH 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>	UL, cUL, CE, FCC, RoHS, WEEE, FCC Part15 Class A, CISPR22, EN 55022: Class A, EN 6100-3-2, EN 61000-3-3, EN 55024, EN 60950-1

## Razberi ServerSwitchIQ Pro Intel Xeon® Model-Specific Table

Part Number	Form Factor	PoE Ports	Total PoE Output	Bays	Storage (TB)	RAID Cache	Power Supply	Dimensions (L x W x H)	BTU/hr.	Mount	Weight (pounds)
<b>Razberi ServerSwitchIQ Pro Intel Xeon® (24 Port, 2U)</b>											
SSIQ24P2U-2-XE	2U	24 PoE+	230W	8	Up to 112TB	2 GB DDR4	2 x 500W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	639	Rack Slide	40.1
SSIQ24PX2U-2-XE	2U	24 PoE+	440W	8	Up to 112TB	2 GB DDR4	2 x 750W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	639	Rack Slide	40.1
<b>Razberi ServerSwitchIQ Pro Intel Xeon® (24 Port, 1U)</b>											
SSIQ24P-2-XE	1U	24 PoE+	266W	4	Up to 56TB	1 GB DDR4	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9
SSIQ24PX-2-XE	1U	24 PoE+	440W	4	Up to 56TB	1 GB DDR4	1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	639	Rack Ears	22.9
<b>Razberi ServerSwitchIQ Pro Intel Xeon® (16 Port, 1U)</b>											
SSIQ16P-2-XE	1U	16 PoE+	266W	4	Up to 56TB	1 GB DDR4	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9

## Razberi ServerSwitchIQ Pro Intel Xeon® Performance Specifications

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

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