

Razberi ServerSwitchIQ™ Professional Edition with RAID



Simple, Secure Video Surveillance and IoT Solutions



ServerSwitchIQ Pro 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



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Razberi ServerSwitchIQ Professional with RAID Specifications

Intelligent Features	Razberi Monitor™ health monitoring Razberi CameraDefense™ automatic camera hardening CylancePROTECT® antivirus and malware protection	Uplinks	2 x 10/100/1000 Mbps Combo SFP 2 x 10/100/1000 Mbps RJ-45
Processor	Intel Xeon E3-1275v3 Processor Passmark: 9901	Video out	HDMI (3840 x 2160 Max.) VGA (2048 x 1536 Max.)
Operating System	Windows 10 Enterprise IoT Windows Server 2016	USB	2 x USB 3.0 (rear), 2 x USB 2.0 (front)
Boot Drive	256 GB mSATA	eSATA	Yes
Memory	16 GB DDR3	Input Voltage	90 to 265 VAC
Graphics	Intel HD Graphics P4600 w/Quick Sync Support	Typical Current	(500W supply) 5.3A @ 115 VAC (750W Supply) 8.2A @ 115 VAC
Switch Control	HTTPS Browser Interface Layer 2 Switching VLAN Management	Switch Fabric	4.4 Gbps, full mesh with zero packet loss
PoE	IEE 802.3af, IEEE 802.3at (PoE+), up to 30 W per port	HDDs	3.5 inch Surveillance class 2,4,6,8,10, 12, 14 TB
RAID	0/1/5/6/10/JBOD	RAID Controller	1 or 2 GB DDR4/2100 MH cache Cache power-failure protection Support for native 4K sectors
Operating Environment	0°C to 45°C (32°F to 113°F) 10% to 90% RH Non-condensing	Certifications	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 Professional with RAID 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)
Razberi ServerSwitchIQ Professional with RAID (24 Port, 2U)											
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
Razberi ServerSwitchIQ Professional with RAID (24 Port, 1U)											
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

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 maintaing CPU utilization less than 70% and memory utilization less than 40%.