

ServerSwitchIQ™ Pro



The next generation, professional intelligent surveillance appliance.



ServerSwitchIQ Pro 8 Port, up to 6TB
Small form factor



ServerSwitchIQ Pro 16/24 Port, up to 24TB
1U 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 480W total output
- All-in-one server, managed PoE switch and storage
- Razberi VyneWatch™ health monitoring features
- Razberi LocBerit™ cybersecurity features
- High performance Intel i5 or Intel i7 processor
- Solid State boot drive to protect software
- Up to 24TB of video storage, using surveillance HDD/SSD
- RAID 0/1/10/JBOD on 16 and 24 port models
- Easily removable HDD trays
- 3 Year Warranty, optional 5 Year with advance replacement service



- **Reduces impact on IP networks by up to 95% without compromising quality**
- **Reduces capital costs by two-thirds**
- **Cuts space requirements by half**
- **Lowers risk of downtime**
- **Prevents cyber attacks**

[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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SPECIFICATIONS:

Intelligent Surveillance Appliances

Razberi ServerSwitchIQ Pro Specifications

Intelligent Features	Razberi VyneWatch™ Health Monitoring Razberi LocBeri™ Cybersecurity Smart Cable Test	Standard I/O	
Certifications	UL, cUL, CE, FCC, RoHS, WEEE FCC Part15 Class A, CISPR22, EN 55022: Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 60950-1	Uplinks	2 x 10/100/1000 Mbps Combo SPF 2 x 10/100/1000 Mbps RJ-45
OS and Processor	Windows 10 IoT (64 bit) Intel i7-4790S Haswell (16/24 port) or Intel i5-4590S Haswell (8 port)	Video out	HDMI (3840 x 2160 Max.) VGA (2048 x 1536 Max.)
Boot Drive	120GB mSATA	USB	2 x USB 3.0 (rear), 2 x USB 2.0 (front)
RAID	0/1/10/JBOD (16 and 24 port)	eSATA	Yes
Graphics	Intel HD4600 with Quick Sync Video	Input Voltage	90 to 265 VAC
Switch Control	HTTPS Browser Interface Layer 2 Switching VLAN Management	Typical Current	(280W supply) 3A @ 115 VAC (500W supply) 5.3A @ 115 VAC (750W supply) 8.2A @ 115 VAC
PoE	IEEE 802.af, IEEE802.at Up to 25W per port	Operating Environment	0°C to 45°C (32°F to 113°F) 10% to 90% RH Non-condensing

Razberi ServerSwitchIQ Pro Model-Specific Table

Part Number	PoE Ports	Total PoE Output	Memory (DDR3)	Video Storage (Surveillance-class HDDs)	Power Supply	Dimensions (L x W x H)	Heat Load BTU/hr.	Mounting	Weight
Razberi ServerSwitchIQ Pro (24 Port, 1U)									
SSIQ24P-i7-8T SSIQ24PX-i7-8T	24	277W 480W	16 GB	8 TB total RAID (0/1/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 599	Desk or Rack Ears	22.9 pounds
SSIQ24P-i7-12T SSIQ24PX-i7-12T	24	277W 480W	16 GB	12 TB total RAID (0/1/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 599	Desk or Rack Ears	22.9 pounds
SSIQ24P-i7-16T SSIQ24PX-i7-16T	24	277W 480W	16 GB	16 TB total RAID (0/1/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 599	Desk or Rack Ears	22.9 pounds
SSIQ24P-i7-24T SSIQ24PX-i7-24T	24	277W 480W	16 GB	24 TB total RAID (0/1/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 599	Desk or Rack Ears	22.9 pounds
Razberi ServerSwitchIQ Pro (16 Port, 1U)									
SSIQ16P-i7-8T SSIQ16PX-i7-8T	16	277W 480W	16 GB	8 TB total RAID (0/1/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 599	Desk or Rack Ears	22.9 pounds
SSIQ16P-i7-12T SSIQ16PX-i7-12T	16	277W 480W	16 GB	12 TB total RAID (0/1/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 599	Desk or Rack Ears	22.9 pounds
SSIQ16P-i7-16T SSIQ16PX-i7-16T	16	277W 480W	16 GB	16 TB total RAID (0/1/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 599	Desk or Rack Ears	22.9 pounds
SSIQ16P-i7-24T SSIQ16PX-i7-24T	16	277W 480W	16 GB	24 TB total RAID (0/1/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 599	Desk or Rack Ears	22.9 pounds
Razberi ServerSwitchIQ Pro (8 Port, 1U)									
SSIQ8P-i5-2T	8	130W	8 GB	2 TB total	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	346 338	Desk or Wall Mount	22.9 pounds
SSIQ8P-i5-4T	8	130W	8 GB	4 TB total	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	346 338	Desk or Wall Mount	22.9 pounds
SSIQ8P-i5-6T	8	130W	8 GB	6 TB total	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	346 338	Desk or Wall Mount	22.9 pounds
SSIQ8P-i5-1S	8	130W	8 GB	1 x 960GB Solid State Drive	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	346 338	Desk or Wall Mount	22.9 pounds
SSIQ8P-i5-2S	8	130W	8 GB	1 x 1920GB Solid State Drive	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	346 338	Desk or Wall Mount	22.9 pounds

Razberi ServerSwitchIQ Pro Performance Specifications

Recording Datarate (Mbps) ¹	Playback Datarate (Mbps) ¹	Number of Camera Recording Streams ²	Number of Camera Playback Streams ²
Razberi ServerSwitchIQ Pro (16 and 24 Port, 1U)			
425	140	104	34
Razberi ServerSwitchIQ Pro (8 Port, 1U)			
300	80	73	20

¹ The specific throughput that can be supported will be dependent on a number of criteria including camera types (resolution, frame rate, etc.), and the VMS software utilized.

² Assumes the use of a typical 2MP camera