

ServerSwitchIQ[™]

Video recording appliance

Surveillance-class storage • 260 Mbps • Up to 24TB

Razberi ServerSwitchIQ[™] 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.



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 Core Processor
- 24 PoE+ ports with up to 277W total output
- Video storage up to 24 TB using surveillance-class HDDs
- Made in USA

KEY BENEFITS

Performance

Have peace of mind with Razberi's certified performance with multiple VMS and analytics partners. An open platform that's scalable to any size deployment and not tied to a specific VMS product.

Management

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

Made in USA

Razberi ServerSwitchIQ products are built and supported in the United States using ISO-certified processes and quality control.



Razberi ServerSwitchIQ™ Standard Specifications

Intelligent Features	Razberi Monitor™ health monitoring	Uplinks	2 x 10/100/1000 Mbps Combo SFP 2 x 10/100/1000 Mbps RJ-45
Processor	Intel i7-4790S Intel i5-4590S Intel i3-4360	Video Out	HDMI (3840 x 2160 Max.) VGA (2048 x 1536 Max.)
Operating System	Windows 10 Enterprise 2019 LTSC	USB	2 x USB 3.0 (rear), 2 x USB 2.0 (front)
Boot Drive	256GB mSATA	eSATA	Yes
Memory	UP to 16 GB DDR3 (model dependent)	Input Voltage	90 to 265 VAC
Graphics	Intel HD Graphics P4600 w/Quick Sync Support (on i5, i7 models)	Typical Current	280 W supply 3A @ 115 VAC (8 port) 500 W supply 5.3A @ 115 VAC (24 port)
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 30W per port	HDDs	3.5 inch Surveillance class, native 4K sectors 2, 4, 6, 8, 10, 12, 14 TB
RAID	RAID 0/1/10 (on 24 port models)	RAID Controller	Intel Rapid Storage Technology
Operating Environment	0°C to 45°C (32°F to 113°F) 10% to 90% RH Non-condensing	Certifications	CE, 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™ Standard Model-Specific Table

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
Razberi ServerSwitchIQ Standard (8 PoE Ports, 1U)										
SSIQ8-i3-2T	137W	2TB (1 x 2TB)	N/A	Core i3	4 GB	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	308	Desk or Shelf Mount	8.4 pounds
SSIQ8-i3-4T	137W	4TB (1 x 4TB)	N/A	Core i3	4 GB	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	308	Desk or Shelf Mount	8.4 pounds
SSIQ8-i3-8T	137W	8TB (1 x 8TB)	N/A	Core i3	4 GB	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	308	Desk or Shelf Mount	8.4 pounds
SSIQ8-i3-10T	137W	10TB (1 x 10TB)	N/A	Core i3	4 GB	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	308	Desk or Shelf Mount	8.4 pounds
SSIQ8-i5-2T	137W	2TB (1 x 2TB)	N/A	Core i5	8 GB	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	308	Desk or Rack Tray	8.4 pounds
SSIQ8-i5-4T	137W	4TB (1 x 4TB)	N/A	Core i5	8 GB	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	308	Desk or Rack Tray	8.4 pounds
SSIQ8-i5-8T	137W	8TB (1 x 8TB)	N/A	Core i5	8 GB	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	308	Desk or Rack Tray	8.4 pounds
SSIQ8-i5-10T	137W	10TB (1 x 10TB)	N/A	Core i5	8 GB	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	308	Desk or Rack Tray	8.4 pounds
Razberi ServerSwitchIQ Standard (24 PoE Ports, 1U)										
SSIQ24P-i7-8T	277W	8 TB (4 x 2TB)	N/A	Core i7	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-i7-12T	277W	12 TB (4 x 3TB)	N/A	Core i7	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-i7-16T	277W	16 TB (4 x 4TB)	N/A	Core i7	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-i7-24T	277W	24 TB (4 x 6TB)	N/A	Core i7	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

Razberi ServerSwitchIQ™ Standard Performance Specifications

Recording Datarate (Mbps) ¹	Playback Datarate (Mbps) ¹	Number of Camera Recording Streams ²	Number of Camera Playback Streams ²
Razberi ServerSwitchIQ Standard (8 Port, 1U)			
260	70	63	17

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