

ServerSwitchIQ™ Enterprise



The next generation, enterprise-class intelligent surveillance appliance.



ServerSwitchIQ Enterprise 24 Port, 1U, up to 32TB



ServerSwitchIQ Enterprise 24 Port, 2U, up to 64TB

Purpose-built as an enterprise-class appliance with a server, datacenter storage and high output managed PoE switch with redundant power. Part of a complete suite of appliances that provide security leaders unmatched video recording, scalability, reliability, and cloud-based cybersecurity and health monitoring. Built for security, engineered for performance, open architected and optimized to reduce the impact of megapixel cameras on the network.

FEATURES:

- Intelligent, high performance video surveillance recording appliances that are more than an NVR
- 1U or 2U form factors for right-sized storage
- Purpose-built design to support 4K camera resolutions
- 24 PoE ports with up to 700W total output
- Standard Redundant Power (2U only)
- All-in-one server, managed PoE switch and storage
- Razberi VyneWatch™ health monitoring features
- Razberi LocBerit™ cybersecurity features
- High performance Intel i7 processor
- Solid State boot drive to protect software
- Up to 64TB of video storage, enterprise HDDs
- RAID 0/1/5/6/10/JBOD, model dependent
- Easily removable HDD trays
- 5 Year Warranty, optional advance replacement service

ROI

- **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

Razberi is open and certified with world-class VMS partners



AVIGILON



PCONFIGURE



Contact Razberi Technologies for a demonstration or more information at razberi.net

ASSEMBLED IN THE
USA

Americas: 469-828-3380
UK/EMEA: 0203 773 3689
salesinfo@razberi.net

dsen20161107

SPECIFICATIONS:

Intelligent Surveillance Appliances

Razberi ServerSwitchIQ Enterprise 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) or Windows Server Standard 2012 (optional) Intel i7-4940S (Haswell)	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)
Memory	16GB DDR3	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	(750W Supply) 8.2A @ 115 VAC (1000W Supply) 12A @ 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 Enterprise Model-Specific Table

Part Number	PoE Ports	Total PoE Output	Video Storage (Enterprise-class HDDs)	Power Supply	Dimensions (L x W x H)	Heat Load BTU/hr.	Mounting	Weight
Razberi ServerSwitchIQ Enterprise (24 Port, 2U)								
SSIQ24E2U-i7-8T SSIQ24EX2U-i7-8T	24	440W 650W	8 TB total, 512MB Hardware Controller RAID 0/1/5/6/10/JBOD	2 x 750W 2 x 1000W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766 824	Rack Slide	40.1 pounds
SSIQ24E2U-i7-16T SSIQ24EX2U-i7-16T	24	440W 650W	16 TB total, 512MB Hardware Controller RAID 0/1/5/6/10/JBOD	2 x 750W 2 x 1000W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766 824	Rack Slide	40.1 pounds
SSIQ24E2U-i7-24T SSIQ24EX2U-i7-24T	24	440W 650W	24 TB total, 512MB Hardware Controller RAID 0/1/5/6/10/JBOD	2 x 750W 2 x 1000W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766 824	Rack Slide	40.1 pounds
SSIQ24E2U-i7-32T SSIQ24EX2U-i7-32T	24	440W 650W	32 TB total, 512MB Hardware Controller RAID 0/1/5/6/10/JBOD	2 x 750W 2 x 1000W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766 824	Rack Slide	40.1 pounds
SSIQ24E2U-i7-48T SSIQ24EX2U-i7-48T	24	440W 650W	48 TB total, 512MB Hardware Controller RAID 0/1/5/6/10/JBOD	2 x 750W 2 x 1000W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766 824	Rack Slide	40.1 pounds
SSIQ24E2U-i7-64T SSIQ24EX2U-i7-64T	24	440W 650W	64 TB total, 512MB Hardware Controller RAID 0/1/5/6/10/JBOD	2 x 750W 2 x 1000W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	766 824	Rack Slide	40.1 pounds
Razberi ServerSwitchIQ Enterprise (24 Port, 1U)								
SSIQ24E-i7-8T SSIQ24EX-i7-8T	24	480W 700W	8 TB total RAID 0/1/10/JBOD	1 x 750W 1 x 1000W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	639 699	Rack Ears	22.9 pounds
SSIQ24E-i7-16T SSIQ24EX-i7-16T	24	480W 700W	16 TB total RAID 0/1/10/JBOD	1 x 750W 1 x 1000W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	639 699	Rack Ears	22.9 pounds
SSIQ24E-i7-24T SSIQ24EX-i7-24T	24	480W 700W	24 TB total RAID 0/1/10/JBOD	1 x 750W 1 x 1000W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	639 699	Rack Ears	22.9 pounds
SSIQ24E-i7-32T SSIQ24EX-i7-32T	24	480W 700W	32 TB total RAID 0/1/10/JBOD	1 x 750W 1 x 1000W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	639 699	Rack Ears	22.9 pounds
SSIQ24E-i7-40T SSIQ24EX-i7-40T	24	480W 700W	40 TB total RAID 0/1/10/JBOD	1 x 750W 1 x 1000W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	639 699	Rack Ears	22.9 pounds

Razberi ServerSwitchIQ Enterprise Performance Specifications

Recording Datarate (Mbps) ¹	Playback Datarate (Mbps) ¹	Number of Camera Recording Streams ²	Number of Camera Playback Streams ²
Razberi ServerSwitchIQ Enterprise (24 Port, 2U)			
525	260	128	63
Razberi ServerSwitchIQ Enterprise (24 Port, 1U)			
525	235	128	57

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