

# ServerSwitchIQ™



The next generation, intelligent surveillance appliance for edge recording.



ServerSwitchIQ 8 Port, up to 8TB  
Small form factor



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

An 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
- Purpose-built design to support 4K camera resolutions
- Up to 16 PoE ports with up to 277W total output
- All-in-one server, managed PoE switch and storage
- Razberi VyneWatch™ health monitoring features
- Razberi MAC Binding port security features
- High performance Intel i3 and i5 processor
- Solid State boot drive to protect software
- Up to 24TB of video storage, optional RAID
- 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](http://razberi.net)



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# SPECIFICATIONS:

## Intelligent Surveillance Appliances

### Razberi ServerSwitchIQ Standard Specifications

<b>Intelligent Features</b>	Razberi VyneWatch™ health monitoring Razberi MAC Binding port security	<b>Uplinks</b>	2 x 10/100/1000 Mbps Combo SPF 2 x 10/100/1000 Mbps RJ-45
<b>Certifications</b>	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	<b>Video out</b>	HDMI (3840 x 2160 Max.) VGA (2048 x 1536 Max.)
<b>OS and Processor</b>	Windows 10 IoT (64 bit) Intel i3-4360 (Haswell) 8 Port Intel i5-4590S (Haswell) 16 Port	<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>RAID</b>	0/1/10/JBOD (16 port)	<b>Input Voltage</b>	90 to 265 VAC
<b>Graphics</b>	Intel HD4600 with Quick Sync Video	<b>Typical Current</b>	8 Port 3.8A 16 Port 6.8A
<b>Switch Control</b>	HTTPS Browser Interface Layer 2 Switching VLAN Management	<b>Operating Environment</b>	0°C to 45°C (32°F to 113°F) 10% to 90% RH Non-condensing
<b>PoE</b>	IEEE 802.3af, IEEE 802.3at Up to 30W per port		

### Razberi ServerSwitchIQ Standard 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
<b>Razberi ServerSwitchIQ Standard (16 Port, 1U)</b>									
SSIQ16-i5-8T	16	277W	8 GB	8 TB total (4x2TB) RAID (0/1/10/JBOD)	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	528	Desk or Rack Ears	22.9 pounds
SSIQ16-i5-12T	16	277W	8 GB	12 TB total (4x3TB) RAID (0/1/10/JBOD)	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	528	Desk or Rack Ears	22.9 pounds
SSIQ16-i5-16T	16	277W	8 GB	16 TB; total (4x4TB) RAID (0/1/10/JBOD)	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	528	Desk or Rack Ears	22.9 pounds
SSIQ16-i5-24T	16	277W	8 GB	24 TB total (4x6TB) RAID (0/1/10/JBOD)	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	528	Desk or Rack Ears	22.9 pounds
<b>Razberi ServerSwitchIQ Standard (8 Port, 1U)</b>									
SSIQ8-i3-4T	8	137W	4 GB	4 TB total (1x4TB)	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	8	137W	4 GB	8 TB total (1x8TB)	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

### Razberi ServerSwitchIQ Standard Performance Specifications

Recording Datarate (Mbps) <sup>1</sup>	Playback Datarate (Mbps) <sup>1</sup>	Number of Camera Recording Streams <sup>2</sup>	Number of Camera Playback Streams <sup>2</sup>
<b>Razberi ServerSwitchIQ Standard (16 Port, 1U)</b>			
260	115	63	28
<b>Razberi ServerSwitchIQ Standard (8 Port, 1U)</b>			
260	70	63	17

<sup>1</sup> 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.

<sup>2</sup> Assumes the use of a typical 2MP camera