

# ServerSwitchIQ™ Pro

## Intel Xeon® Edition



The next generation, professional intelligent surveillance appliance.  
Built for server-class performance.



ServerSwitchIQ Pro 16/24 Port, up to 40TB  
1U form factor



ServerSwitchIQ Pro 24 Port, up to 80TB  
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 VyneWatch™ 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 80TB 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



- **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: Intel Xeon® Edition

# Intelligent Surveillance Appliances

## Razberi ServerSwitchIQ Pro Intel Xeon® Specifications

<b>Intelligent Features</b>	Razberi VyneWatch™ health monitoring Razberi CameraDefense™ automatic camera hardening CylancePROTECT® antivirus and malware protection	<b>Uplinks</b>	2 x 10/100/1000 Mbps Combo SFP 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) Windows Server Standard 2012 (optional) Intel Xeon E3-1275v3 Processor	<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>	0/1/5/6/10/JBOD (16 and 24 port)	<b>Input Voltage</b>	90 to 265 VAC
<b>Graphics</b>	Intel HD Graphics P4600 w/Quick Sync Support	<b>Typical Current</b>	(500W supply) 5.3A @ 115 VAC (750W Supply) 8.2A @ 115 VAC
<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 Pro Intel Xeon® 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)	BTU/hr.	Mounting	Weight
<b>Razberi ServerSwitchIQ Pro Intel Xeon® (24 Port, 2U)</b>									
SSIQ24P2U-XE-48T SSIQ24PX2U-XE-48T	24	230W 440W	16 GB	48 TB total, 512MB Hardware Controller (6x8TB) RAID 0/1/5/6/10/JBOD	2 x 500W 2 x 750W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	639 766	Rack Slide	40.1 pounds
SSIQ24P2U-XE-56T SSIQ24PX2U-XE-56T	24	230W 440W	16 GB	56 TB total, 512MB Hardware Controller (7x8TB) RAID 0/1/5/6/10/JBOD	2 x 500W 2 x 750W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	639 766	Rack Slide	40.1 pounds
SSIQ24P2U-XE-64T SSIQ24PX2U-XE-64T	24	230W 440W	16 GB	64 TB total, 512MB Hardware Controller (8x8TB) RAID 0/1/5/6/10/JBOD	2 x 500W 2 x 750W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	639 766	Rack Slide	40.1 pounds
SSIQ24P2U-XE-80T SSIQ24PX2U-XE-80T	24	230W 440W	16 GB	80 TB total, 512MB Hardware Controller (8x10TB) RAID 0/1/5/6/10/JBOD	2 x 500W 2 x 750W	21.2 x 17.2 x 3.50 in; 538 X 438 x 88 mm	639 766	Rack Slide	40.1 pounds
<b>Razberi ServerSwitchIQ Pro Intel Xeon® (24 Port, 1U)</b>									
SSIQ24P-XE-8T SSIQ24PX-XE-8T	24	266W 440W	16 GB	8 TB total Hardware RAID Controller (4x2TB) RAID (0/1/5/6/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 639	Desk or Rack Ears	22.9 pounds
SSIQ24P-XE-12T SSIQ24PX-XE-12T	24	266W 440W	16 GB	12 TB total Hardware RAID Controller (4x3TB) RAID (0/1/5/6/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 639	Desk or Rack Ears	22.9 pounds
SSIQ24P-XE-16T SSIQ24PX-XE-16T	24	266W 440W	16 GB	16 TB total Hardware RAID Controller (4x4TB) RAID (0/1/5/6/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 639	Desk or Rack Ears	22.9 pounds
SSIQ24P-XE-24T SSIQ24PX-XE-24T	24	266W 440W	16 GB	24 TB total Hardware RAID Controller (4x6TB) RAID (0/1/5/6/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 639	Desk or Rack Ears	22.9 pounds
SSIQ24P-XE-32T SSIQ24PX-XE-32T	24	266W 440W	16 GB	32 TB total Hardware RAID Controller (4x8TB) RAID (0/1/5/6/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 639	Desk or Rack Ears	22.9 pounds
SSIQ24P-XE-40T SSIQ24PX-XE-40T	24	266W 440W	16 GB	40 TB total Hardware RAID Controller (4x10TB) RAID (0/1/5/6/10/JBOD)	1 x 500W 1 x 750W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570 639	Desk or Rack Ears	22.9 pounds
<b>Razberi ServerSwitchIQ Pro Intel Xeon® (16 Port, 1U)</b>									
SSIQ16P-XE-8T	16	266W	16 GB	8 TB total Hardware RAID Controller (4x2TB) RAID (0/1/5/6/10/JBOD)	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Desk or Rack Ears	22.9 pounds
SSIQ16P-XE-12T	16	266W	16 GB	12 TB total Hardware RAID Controller (4x3TB) RAID (0/1/5/6/10/JBOD)	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Desk or Rack Ears	22.9 pounds
SSIQ16P-XE-16T	16	266W	16 GB	16 TB total Hardware RAID Controller (4x4TB) RAID (0/1/5/6/10/JBOD)	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Desk or Rack Ears	22.9 pounds
SSIQ16P-XE-24T	16	266W	16 GB	24 TB total Hardware RAID Controller (4x6TB) RAID (0/1/5/6/10/JBOD)	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Desk or Rack Ears	22.9 pounds
SSIQ16P-XE-32T	16	266W	16 GB	32 TB total Hardware RAID Controller (4x8TB) RAID (0/1/5/6/10/JBOD)	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Desk or Rack Ears	22.9 pounds
SSIQ16P-XE-40T	16	266W	16 GB	40 TB total Hardware RAID Controller (4x10TB) RAID (0/1/5/6/10/JBOD)	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Desk or Rack Ears	22.9 pounds

## Razberi ServerSwitchIQ Pro Intel Xeon® Performance Specifications

Recording Datarate (Mbps) <sup>1</sup>	Playback Datarate (Mbps) <sup>1</sup>	# of Camera Recording Streams <sup>2</sup>	# of Camera Playback Streams <sup>2</sup>
<b>Razberi ServerSwitchIQ Pro Intel Xeon® (16 &amp; 24 Port 1U)</b>			
425	140	104	34
<b>Razberi ServerSwitchIQ Pro Intel Xeon® (24 Port 2U)</b>			
525	235	128	57

<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