GPU Ready Video Recording Appliance With Automated Cybersecurity

Comnet's ServerSwitchIQ SS32-2U4 is a purpose-built video appliance that integrates a server, hot plug, enterprise-class storage and a managed PoE switch.

The optional embedded Nvidia T1000 GPU supports video analytics and significantly increases video decoding performance as used for server-side motion detection and video rendering. Part of a complete suite of appliances that provide security leaders with unmatched video recording, scalability, reliability, and automated cybersecurity with remote managament.

Built for security, engineered for performance, open architected and optimized to reduce the impact of megapixel cameras on the network.

Edge Performance

- ✓ Optional embedded GPU dramatically improves video rendering, motion dection and video analytics at the network edge
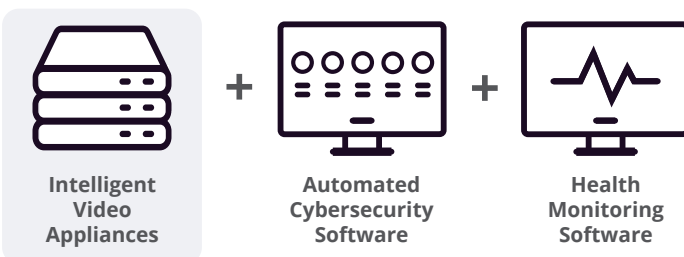
Remotely Monitor & Manage

- ✓ Remotely manage with less staff and fewer costly truck rolls with Razberi Monitor
- ✓ Monitor system health and cyber security
- ✓ Manage software and Windows security updates

Cybersecure

- ✓ Automatically harden cameras with built-in CameraDefense
- ✓ Protect the video server with ApplianceDefense™, AI-based antivirus and malware protection that does not compromise VMS performance

Key Features & Benefits

- ✓ 32 PoE+ ports with up to 450W total output
- ✓ Intel 10th Generation Core Processor
- ✓ Optional Nvidia T1000 8GB GPU
- ✓ 4 Hot-plug Enterprise HDDs with optional RAID
- ✓ Video storage up to 88TB
- ✓ CameraDefense™ automated camera hardening
- ✓ 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

Intelligent Video Appliances + **Automated Cybersecurity Software** + **Health Monitoring Software**

comnet by acre

Hardware Specifications

Processor	Intel® Core™ i5-10500TE 6 Core, 2.3 GHz 12 MB Cache
	Intel® Xeon™ W-1270E 8 Core, 3.4 GHz 16MB Cache
GPU Ready	Compatible with select Nvidia models
Memory	16 GB standard (2 x 8GB DDR4 2666 DIMM)
	32 GB optional (2 x 16GB DDR4 2666 DIMM)
TPM	2.0 FIPS140-2 Level 2
Operating System Drive	2 x 256GB M.2 (RAID 1)
Storage	4 x SATA III (6.0 Gbs) Hot swap bays
	3.5 inch Enterprise class HDDs
	2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22TB
RAID Controller	RAID 0/1/10 (standard, with Intel RST)
	RAID 0/1/5/6/10 (optional, hardware controller with 1 GB cache for power failure protection)
PoE	20 x 1GbE IEEE 802.3at, up to 30W per port
	4 x 1GbE IEEE 802.3at 4-pair, up to 60W per port
	PoE Output: up to 450W
Graphics	Intel® UHD Graphics 630 with Quick Sync Video
	Optional NVIDIA Quadro T1000 GPU
Service Connectors	1 x RJ45 2.5 GbE (i225V)
	1 x RJ45 1GbE, AMT supported (i219LM)
	2 x 3.1 USB
	2 x HDMI 1.4, 4096x2160 @30Hz
	1 x RJ45 2.5 GbE (internal)
Switch Connectors	32 x RJ45 1GbE PoE
	3 x SFP+ 10GbE

General Specifications

Operating System	Windows 10 IoT Enterprise LTSC (Version 21H2)
	Windows Server IoT 2019 LTSC (Optional)
	Windows Server IoT 2022 LTSC (Optional)
Intelligent Features	Monitor and Manage via Razberi Monitor
	CameraDefense™ automated camera hardening
	CameraHealth
Switch Features	HTTPS Browser Interface
	Layer 2 Switching
	VLAN Management
	Spanning Tree
	Cable Test
	IPV6
	IGMP (multicasting)
Operating Conditions	0 °C to 45 °C (32 °F to 113 °F)
	10% to 90% RH Non-condensing
Storage Conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Power	Input Voltage: 100-240Vac 50-60Hz
	Typical Current: 12.7A
Heat Load	897 BTU/hour
Certifications	FCC Part 15 Subpart B, Class A
	ICES-003 Issue 7
	EN 55032, EN 55035
	EN 61000-3-2, EN 61000-3-3
	IEC/EN 62368-1
	Other: RoHS
Dimensions	20.5 x 17.16 x 3.5 in, 2U Chassis (521 x 436 x 89 mm)
Weight (Max)	38 lbs (17.24 kg)
Accessories	Power Cable, 4-Post Rack Rail
Warranty	3 Year Advance Replacement Warranty
	Optional 5 Year Advance Replacement Warranty

ServerSwitchIQ Model-Specific Table

Part Number	Total PoE Output	Storage (TB)	RAID Controller	Server Uplink
SS32X-2U4-I5-24T6G	450 W	24 TB (4 x 6TB)	Intel RST	1 x 2.5 GbE (RJ45)
SS32X-2U4-I5-32T8G	450 W	32 TB (4 x 8TB)	Intel RST	1 x 2.5 GbE (RJ45)
SS32X-2U4-I5-40T10G	450 W	40 TB (4 x 10TB)	Intel RST	1 x 2.5 GbE (RJ45)
SS32X-2U4-I5-48T12G	450 W	48 TB (4 x 12TB)	Intel RST	1 x 2.5 GbE (RJ45)
SS32X-2U4-I5-64T16G	450 W	64 TB (4 x 16TB)	Intel RST	1 x 2.5 GbE (RJ45)
SS32X-2U4-I5-72T18G	450 W	72 TB (4 x 18TB)	Intel RST	1 x 2.5 GbE (RJ45)
SS32X-2U4-I5-80T20G	450 W	80 TB (4 x 20TB)	Intel RST	1 x 2..5 GbE (RJ45)
SS32X-2U4-I5-88T22G	450 W	88 TB (4 x 22TB)	Intel RST	1 x 2.5 GbE (RJ45)

Model Options:

G = Graphics;

R = Hardware RAID;

For W-1270E processor – replace I5 in the part number with W1270

ServerSwitchIQ SS32-2U4 Example Part Numbers with Options

Part Number	Total PoE Output	Storage (TB)	RAID Controller	Server Uplink
SS32X-2U4-I5-24TRC	450 W	24 TB (4 x 6TB)	Hardware	1 x 2.5 GbE (RJ45)

ServerSwitchIQ SS32-2U4 Included GPU

Part Number	Description
SSIQ-GPU-T1000	NVIDIA Quadro T1000 for SS32-2U4 with the G option, 1280 CUDA Cores, 5 GB GDDR5

acresecurity.com

comnet
by acre