

ENVY-R Rugged Series



Built to withstand the toughest environments

The Seneca ENVY-Rugged series is designed to accommodate installations for harsh environments and provides a comprehensive product offering that is flexible and versatile for a variety of applications. The applications ideal for the Seneca ENVY-Rugged series include environments that require wider operating temperatures, vibration, and shock endurance, along with EMC certifications. These servers are ideal for industries such as military, industrial, aerospace, and power stations when used in harsh environments and remote locations.

The ENVY-Rugged series offers fanless embedded solutions powered by Intel® processors for high-level performance with 4, 8, or 12 GB PoE ports, up to three storage drive bays, and Windows 10 IoT Enterprise. The Seneca ENVY-Rugged series delivers the right solutions to support projects with special environmental and performance requirements for harsh conditions.

Seneca makes setup simple. Quickly install your preferred VMS on the appliance and apply settings for optimal playback – no internet required – with our proprietary software.



Windows 10 IoT Enterprise

12th generation Intel® Core™ processors

4, 8, or 12 GB PoE ports

Small, rugged form factor

Wide temperature components available

Up to 15.3 TB storage

SSD SATA storage drives

Wireless LAN connectivity

0°C to +70°C operating temperature

Three-year depot warranty

Specifications



Seneca Rugged Standard NVR

Seneca Rugged Pro NVR

Seneca Rugged Enterprise NVR

SYSTEM	Product	Rugged 4-Port PoE NVR	Rugged 8-Port PoE NVR	Rugged 12-Port PoE NVR
	Processor	Pentium® Gold or Core™ i3 12th Gen.	Core™ i5 12th Gen.	Core™ i7 12th Gen.
	OS	Win 10 IoT Enterprise 2019 Value LTSC 64 w/ SBAR Recovery		Win 10 IoT Enterprise 2019 High End LTSC 64 w/ SBAR Recovery
	Memory (STD and Wide Temp)	8GB Standard (Wide Temp Option)		16GB Standard (Wide Temp Option)
	Networking	2x 1 GbE LAN ports 4x POE Ports	2x 1 GbE LAN ports 8x POE Ports	2x 1 GbE LAN ports 12x POE Ports
	Video Outputs	1x VGA 1x DisplayPort		1x VGA 1x DVI-D 1x DisplayPort
	Graphics	Intel® UHD 770		
	Power Ignition Control	Optional		Not Available
	USB	4x USB 3.2 Gen1, 2x USB 2.0 Ports	1x USB 3.2 Gen2x2, 4x Gen2x1, 1x Gen1x1, 2x USB 2.0 Ports	
	Warranty	3-Year Depot Warranty		
MECHANICAL	Form Factor	Small Rugged		
	OS Drives (STD and Wide Temp)	250GB M.2 NVME SSD		
	Drive Bays	1x OS Drive Bay 1x SATA HDD Bay	1x OS Drive Bay 2x SATA HDD Bays	
	Storage (STD and Wide Temp)	Up to 7.6TB	Up to 15.3TB	
	Power Supply	280W AC/DC Power Adapter		
	PoE Power Budget	100W	200W	244W
	Dimensions	9.45in(W) x 6.49in(D) x 2.48in(H) 240mm(W) x 165mm(D) x 63mm(H)	9.45in(W) x 8.85in(D) x 3.11in(H) 240mm(W) x 225mm(D) x 79mm(H)	9.45in(W) x 8.85in(D) x 3.54in(H) 240mm(W) x 225mm(D) x 90mm(H)
	Weight	5.5 lbs (2.5 kg)	7.4 lbs (3.36 kg)	7.9 lbs (3.58 kg)
ENVIRONMENTAL	Operating Temperature	-25°C ~ 60°C*	-25°C ~ 70°C	
	Storage Temperature	-40°C ~ 85°C		
	Humidity	10% ~ 90% , non-condensing		
	Vibration	Operating, MIL-STD-810G, Method 514.6, Category 4		
	Shock	Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II		
	EMC	CE/FCC Class A, according to EN 55032 & EN 55035		

* For sub-zero operating temperature, wide temperature components are required



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