

RUGGED SERIES



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

THE SENECA DIFFERENCE



Maestro gets your optimized system up and running in minutes instead of hours. We channeled years of value engineering into an intuitive dashboard that eliminates hundreds of keystrokes. You don't even need an internet connection or data transfer from external drives.

KEY FEATURES

- 4, 8 or 12 Gigabit PoE Ports
- Intel Core™ Processors
- SSD SATA Storage Drives
- Wireless LAN Connectivity
- 0°C to +70°C Operating Temp

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SPECIFICATIONS



SYSTEM	SENECA RUGGED STANDARD NVR	SENECA RUGGED PRO NVR	SENECA RUGGED ENTERPRISE NVR
Product	Rugged 4-Port PoE NVR	Rugged 8-Port PoE NVR	Rugged 8-Port PoE NVR (Expandable to 12-PoE Ports)
Processor	Core i3-9100TE Processor	Core i5-9500TE Processor	Core i7-9700TE Processor
OS	Win 10 IoT Enterprise 2019 Value LTSC 64 w SBAR Recovery	Win 10 IoT Enterprise 2019 Value LTSC 64 w SBAR Recovery	Win 10 IoT Enterprise 2019 High End LTSC 64 w SBAR Recovery
Memory	8GB DDR4 2666MHz, 1x 8GB DIMM	8GB DDR4 2666MHz, 1x 8GB DIMM	16GB 2x8GB DDR4 2666MHz, 1x 8GB DIMM
Networking	2x 1GbE LAN ports 4x POE Ports	2x 1GbE LAN ports 8x POE Ports	2x 1GbE LAN ports 8x POE Ports (Upgradeable to 12x POE ports)
Video Outputs	1x VGA 1x DVI-D 1x DisplayPort	1x VGA 1x DVI-D 1x DisplayPort	1x VGA 1x DVI-D 1x DisplayPort
Graphics	N/A	Nvidia Quadro P400 or P620	Nvidia Quadro P400 or P620
USB	4x USB 3.1 Gen2, 4x USB 3.1 Gen1	4x USB 3.1 Gen2, 4x USB 3.1 Gen1	4x USB 3.1 Gen2, 4x USB 3.1 Gen1
Warranty	3-Year Depot Warranty	3-Year Depot Warranty	3-Year Depot Warranty

MECHANICAL

Form Factor	Small Rugged	Small Rugged	Small Rugged
OS Drives	256GB 3ME2 NVME P80 M.2	256GB 3ME2 NVME P80 M.2	256GB 3ME2 NVME P80 M.2
Drive Bays	1x OS Drive Bay 2x SATA HDD Bays	1x OS Drive Bay 2x SATA HDD Bays	1x OS Drive Bay 2x SATA HDD Bays
Storage	Up to 7.6TB	Up to 7.6TB	Up to 7.6TB
Power Supply	160W AC/DC Power Adapter	280W AC/DC Power Adapter	280W AC/DC Power Adapter
PoE Power Budget	100W	175W	244W
Dimensions	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)	9.45in(W) x 8.85in(D) x 4.35in(H) 240mm(W) x 225mm(D) x 110mm(H)
Weight	6.8lbs (3.1kg)	7.9lbs (3.58kg)	8.2lbs (3.7kg)

ENVIRONMENTAL

Operating Temperature	0°C - 70°C* * -25°C with wide temp components	-25°C - 70°C	-25°C - 70°C
Storage Temperature	-40°C - 85°C	-40°C - 85°C	-40°C - 85°C
Humidity	10% - 90%, non-condensing	10% - 90%, non-condensing	10% - 90%, non-condensing
Vibration	Operating, MIL-STD-810G, Method 514.6, Category 4	Operating, MIL-STD-810G, Method 514.6, Category 4	Operating, MIL-STD-810G, Method 514.6, Category 4
Shock	Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II	Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II	Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II
EMC	CE/FCC Class A, according to EN 55032 & EN 55024	CE/FCC Class A, according to EN 55032 & EN 55024	CE/FCC Class A, according to EN 55032 & EN 55024