

HD^N EMBEDDED SYSTEM

Industrial Intel® NUC with HDMI Capture and Passthrough

The Seneca HDN, powered by the 7th generation Intel® Core™ processors, wraps the power of the Intel® NUC platform in a hardened chassis design for enterprise level use. The revolutionary design guarantees thermal efficiency in harsh environments while maintaining a sleek aesthetic for the office. Also new to this latest generation HDN is the capability to capture and display full-HD content with an integrated HDMI capture and passthrough card. This new feature allows external content into your campaigns making your digital signage engaging for all its onlookers.



KEY FEATURES

- HDMI capture and passthrough card
- Capable of supporting 4K content
- Ideal for Retail solutions such as QSR menu boards and intelligent kiosks
- HD video capable with up to two independent displays
- Internal power supply for easy mounting and cabling
- Reliable performance with enhanced thermal efficiencies
- Ventilation on front and sides to direct air over essential components
- Designed to allow the system to be mounted against a wall without hindering air flow

The HD^N enhances our lineup, creating a powerful ultra small form factor media player with Intel® NUC performance and HDMI capture and passthrough.



Specifications are subject to change, contact your account representative for current configuration.

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SENECA HD^N

FEATURING THE 7TH GEN INTEL® CORE™ PROCESSOR

SYSTEM

Processor	7th generation Intel® Core™ i5-7300U Processor 3.5GHz 7th generation Intel® Core™ i3-7100U Processor 2.4GHz
Operating System	Windows 10 IoT Enterprise Linux
Manufacturer	Seneca®
Graphics	Intel® HD Graphics 620
Monitors Supported	2
Single Monitor Media Playback	4K (3840 × 2160p) @ 60fps
Multiple Monitor Media Playback	Dual: 4K (3840 × 2160p) @ 30fps Dual: HD (1920 × 1080p) @ 60fps
Orientation	Landscape and Portrait Capable
Video Output	2 × HDMI 2.0a (1 with CEC)
Video Input	1 × HDMI 1.4b (1080p @ 60fps) HDCP with HDMI Loopthrough
Audio	Over HDMI
Storage	Up to 1TB M.2 SSD
Memory	Up to 32GB DDR4 2133MHz 1.2V SO-DIMM; Dual Channel
Connectivity	1 × Gigabit Ethernet; Intel i219-LM Intel® Wireless-AC 8265 802.11ac 2x2
USB	4 × USB 3.0 (2 front, 2 back)
Front I/O Ports	Optional: 1 × HDMI Input Optional: 1 × HDMI Loopthrough Power button with power and disk activity LED
Back I/O Ports	1 × 1GbE NIC 2 × HDMI 2.0a (1 with CEC) AC Power Input Optional: 1 × Serial RS-232 port Optional: Wireless Antennae
Hardware Monitoring	Intel® vPro™; Intel® ME v11.7; TPM 2.0 (Core i5 only)
Warranty	3 Year Standard Warranty Optional: 5 Year Standard Warranty

MECHANICALS

Thermals	Up to 55°C (131°F) at full CPU Utilization
Power Supply	100-240 VAC
Power Draw	6W Idle / 33W Load
Cooling	Active Cooling
Mounting	VESA/WALL 75mm and 100mm
Certifications	UL, CE, FCC
Dimensions (w x h x d)	7.52 × 1.73 × 4.3 inches / 191 × 44 × 110 millimeters
Weight	4 lbs / 1.8 kgs



- Intel® NUC Board featuring the 7th gen Intel® Core™ i5 Processor or the 7th gen Intel® Core™ i3 Processor
- HDMI Capture and Passthrough
- Internal power supply
- Enhanced thermal design
- Optional serial port
- Rugged chassis
- Supports up to two independent displays
- Simplified mounting and maintenance



Tool-less Mounting



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Five Years Out

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