

# HD<sup>N</sup> EMBEDDED SYSTEM



The HDn is a powerful, ultra-small form-factor media player with Intel® NUC performance and HDMI capture and passthrough. The revolutionary design guarantees thermal efficiency in harsh environments while maintaining a sleek aesthetic, making it ideal for quick-serve restaurants and kiosks.

Unlike other manufacturers who ship one-size-fits-all solutions, Seneca experts carefully plan and pair you with the right media player, scalable to meet specific needs. Each system comes equipped with Seneca's Maestro software, which loads and optimizes your CMS or analytics applications, saving hours of integration and setup time.

Designed and developed by Seneca's Advanced Engineering Team, the HDn was created in the world-class Seneca testing facilities designed by Intel®. From inception, Seneca systems are tested in real-world digital signage and edge environments to guarantee maximum reliability in mission-critical installations.

## THE SENECA DIFFERENCE



Standard with all Seneca media players, 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

- HDMI capture and passthrough card
- Internal power supply
- Turnkey CMS integration
- Dual HDMI 2.0a



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## FEATURES AND SPECIFICATIONS

### SYSTEM

<b>Processor</b>	8th generation Intel® Core™ i7-8650U Processor Up to 4.20 GHz 7th generation Intel® Core™ i5-7300U Processor 3.5GHz 7th generation Intel® Core™ i3-7100U Processor 2.4GHz
<b>Operating System</b>	Windows 10 IoT Enterprise, Linux
<b>Manufacturer</b>	Seneca®
<b>Graphics</b>	Intel® HD Graphics 620
<b>Monitors Supported</b>	2
<b>Single Monitor Media Playback</b>	4K (3840 x 2160p) @ 60fps
<b>Multiple Monitor Media Playback</b>	Dual: 4K (3840 x 2160p) @ 30fps Dual: HD (1920 x 1080p) @ 60fps
<b>Orientation</b>	Landscape and Portrait Capable
<b>Video Output</b>	2 x HDMI 2.0a (1 with CEC)
<b>Video Input</b>	1 x HDMI 1.4b (1080p @ 60fps) HDCP with HDMI Loopthrough
<b>Audio</b>	Over HDMI
<b>Storage</b>	Up to 1TB M.2 SSD
<b>Memory</b>	Up to 32GB DDR4 2133MHz 1.2V SO-DIMM; Dual Channel
<b>Connectivity</b>	1 x Gigabit Ethernet; Intel i219-LM Intel®, Wireless-AC 8265 802.11ac 2x2
<b>USB</b>	4 x USB 3.0 (2 front, 2 back)
<b>Front I/O Ports</b>	<b>Optional:</b> 1 x HDMI Input <b>Optional:</b> 1 x HDMI Loopthrough Power button with power and disk activity LED
<b>Back I/O Ports</b>	1 x 1GbE NIC 2 x HDMI 2.0a (1 with CEC) AC Power Input <b>Optional:</b> 1 x Serial RS-232 port <b>Optional:</b> Wireless Antennae
<b>Hardware Monitoring</b>	Intel® vPro™; Intel® ME v11.7; TPM 2.0 (Core i5 only)
<b>Warranty</b>	3 Year Standard Warranty, <b>Optional:</b> 5 Year Standard Warranty

### MECHANICALS

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

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

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