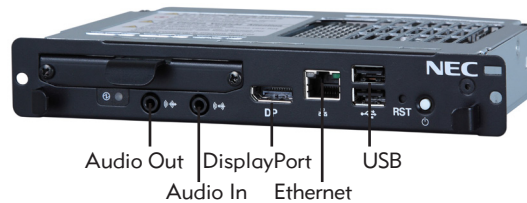# N8000-8830

Single Board Computer with Intel® processor for NEC Large-Screen LCD Displays

Enjoy seamless integration within your NEC display. The Open Pluggable Specification (OPS) is the industry's first standardized input, which increases flexibility for users of any digital signage application. This OPS single board computer features an Intel Core i5 520E 2.4 GHz CPU and was designed

Audio Out   DisplayPort   USB
Audio In   Ethernet

with display integration in mind. NEC's N8000-8830 offers customers flexibility with a 320GB hard drive and Windows Embedded Standard 7. Used with select NEC displays' expansion slots, this solution eliminates the need for an external PC, cabling, mounting and power supply. Featuring Intel's robust CPU architecture and Intel vPro Technology with Keyboard-Video-Mouse redirection capabilities, IT administrators can run diagnostic tests, install upgrades, and view and control the digital display content remotely. This module has been optimized for reliable 1080p video playback and, with support for Windows OS, has the flexibility to run most third-party software and custom applications. These benefits make NEC's OPS single board computer ideal for markets such as digital signage, quick-service restaurants, education, medical, retail and rental staging.

Features and Benefits

No external connections required. PC signal, audio and control signals all passed internally from display to OPS device.

Seamless design provides for clean, hidden integration that eliminates the need for external components. Service can be performed while the display is still mounted, simplifying installation and reducing maintenance.

2.4 GHz Intel Core i5 520E CPU provides processing power for even the most demanding digital signage content

True 1080P video with hardware assisted support for formats such as MPEG2, H.264, and WM9

Small but powerful with an all-metal chassis make this an ideal solution for commercial applications requiring an integrated PC

3-year warranty matches that of the display

Operating System	Windows Standard 7 Embedded
CPU	2.4 GHz Intel Core i5 520E
GPU	Intel QM57
RAM	4GB DDR3
Hard Drive	320GB
Video Output	External DisplayPort
Audio Input	Sterero Mini-Jack
Audio Output	External DisplayPort, Stereo Mini-Jack
Network Connections	Gigabit Ethernet
Contro I/O	USB 2.0 x 2
Video Format Support	1080p, MPEG/2, H.264, WM9
Graphics Format Support	JPEG, BMP, TIFF, GIFF
Browser Support	HTML, Flash, Javascript
Audio Format Support	MP3, PCM, AAC
Network Protocol Support	Internet (IP, TCP, UDP, ICMP, ARP, DHCP, HTTP, FTP, IGMP, RTP, RTSP, SNMP)
Power	Power Dissipation (55W)
Operating Temperature	41° - 104°F / 5° - 40°C
Operating Humidity	80% maximum relative humidity, non-condensing
Dimensions (W x H x D)	7.9 x 1.2 x 4.7 in. / 200 x 30 x 119mm
Weight	2 lbs. / 0.9 kg
Gross Weight	3.1 lbs.
Certifications	UL, CE, CCC
Compatible with	NEC X461S, X551S
Compatible with SB-02AM	NEC V422, V462, V551, V651, P402, P462, P552, P702, X551UN

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