NEC Digital Signage Solutions

32", 42", 46", 55", 65" & 80" LED edge-lit, commercial-grade LCD displays bundled with AMD Dual Core OPS single board computers

Take the fast track to high-quality digital signage with full PC functionality integrated directly within an NEC display. NEC's single board computer (OPS-PCAF-WS), boasts an AMD 1.6 GHz Dual Core Fusion APU and adheres to the Open Pluggable Specification (OPS), the industry's first standardized input to increase flexibility for users of any digital signage application. Combining this PC with the high-performance panel of the NEC V Series (42", 46", 55", 65" and 80" sizes available), these bundles are a wonderfully simple solution for dynamic digital signage. Utilizing the expansion slot integrated into V Series displays, the PC provides for clean, hidden integration while reducing the bill of materials needed for installation and eliminating the hassle of hiding hardware equipment. Whet appetites in restaurants. Build brand awareness in retail. Turn heads in corporate lobbies. The digital signage possibilities are virtually endless.
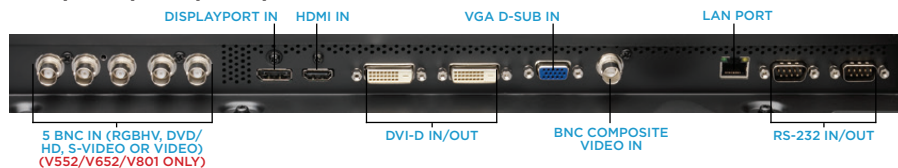
Highlights

- **Present, share and collaborate** with included DisplayNote® NEC Edition presenter license
- **LED backlighting technology** reduces power consumption and allows for a slimmer cabinet depth
- **Integrated PC (OPS-PCAF-WS)** is optimized for reliable 1080p video playback
- **1920 x 1080 FHD native resolution** in true 16:9 aspect ratio, maximum brightness of up to 500 cd/m² and typical contrast ratio of up to 5000:1
- **TileMatrix™ technology** enables video walls (up to 100 displays in a 10x10 matrix)
- **Integrated 10W speakers** provide stereo audio for those applications requiring sound
- **Optional color calibration solution** ensures color uniformity and fidelity across individual and multiple screens, creating a perfectly matched image in tiled environments
- **Diverse input connectors** allow for maximum compatibility and flexibility during product implementation
- **OPS-PCAF-WS' 3-year warranty** matches that of the display
- **NEC Content Management Software (CMS)**, a SaaS web-based, digital signage software, is available at no charge

necdisplay.com **NEC**

Specifications for V323-PC/V423-PC/V463-PC/V552-PC/V652-PC/V801-PC

MODEL	V323-PC	V423-PC	V463-PC	V552-PC	V652-PC	V801-PC
LCD MODULE						
Panel Technology	S-IPS	SPVA	A-MVA	A-MVA	SPVA	UV²A
Viewable Image Size	32"	42"	46"	55"	65"	80"
Native Resolution	1920 x 1080					
Brightness (Typical/Max)	320 cd/m² / 450 cd/m²	320 cd/m² / 450 cd/m²	350 cd/m² / 500 cd/m²	320 cd/m² / 450 cd/m²		320 cd/m² / 460 cd/m²
Contrast Ratio (Typical)	1300:1	1300:1	4000:1			5000:1
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10					
Aspect Ratio	16:9					
Active Screen Area (W x H)	698.4 x 392.9mm/27.5 x 15.5"	36.6 x 20.6 in. / 930.2 x 523.3mm	40.1 x 22.5in. / 1018.1 x 572.7mm	47.6 x 26.8 in. / 1209.6 x 680.4mm	56.2 x 31.6 in. / 1428.5 x 803.5mm	69.7 x 39.2 in. / 1771.2 x 996.3mm
Orientation	Landscape/Portrait					
Displayable Colors	More than 16.7 million					More than 1 billion
CONNECTIVITY						
PC/Mac Signal Compatibility	Yes					
Input Terminals						
Digital	DisplayPort, HDMI, DVI-D					
Analog	VGA 15-pin D-sub (shared S-Video, Video, Component), BNC Composite			VGA 15-pin D-sub, 5 BNC (RGBHV, DVD/HD, S-Video or Video), BNC Composite		
Audio	Stereo Mini-Jack, HDMI Audio, DisplayPort Audio					
External Control	RS-232C, Ethernet (RJ45), IR Remote, DDC/CI					
Output Terminals						
Digital	DVI-D					
Audio	N/A	Stereo Mini-Jack, External Speaker Jack (2)				
External Control	RS-232C					
Digital Tuner	V323-AVT	V423-AVT	V463-AVT	V552-AVT	V652-AVT	V801-AVT
Speakers	Integrated (10W x 2)					
POWER CONSUMPTiON						
On (Typical)	50W	153W	76W	165W	250W	230W
ECO Mode Standby	<1W	<0.5W	<2W			
PHYSICAL SPECIFICATIONS						
Bezel Width (L/R, T/B)	1.7/1.7 1.6/1.6 in / 43.2/43.2 40.3/40.3 mm	0.7 in./0.7 in., 0.7 in./0.7 in. ; 18.3mm/18.3mm, 18.3mm/18.3mm			2.1 in./2.1 in., 2 in./2.1 in. ; 53.5mm/53.5mm, 50.5mm/50.5mm	1.2 in./1.2 in., 1.2in./1.2in. ; 29.7mm/29.7mm, 29.7mm /29.7mm
Net Dimensions (without stand; WxHxD)	786.8 x 476.2 x 93.5 mm / 31.0 x 18.7 x 3.7 in	38.3 x 22.3 x 2.7 in. / 972.5 x 565.4 x 68.3mm	41.7 x 24.1 x 2.6in. / 1058.2 x 612.8 x 65.1mm	49.2 x 28.4 x 2.5 in. / 1249.7 x 720.5 x 63mm	60.6 x 35.8 x 3.5 in. / 1540.4 x 909.2 x 88.3mm	72.3 x 41.8 x 3.4 in. / 1836.2 x 1061.3 x 86.9mm
Net Weight (without stand)	28.7 lbs. / 13 kg	37 lbs. / 16.8 kg	41.7 lbs. / 18.9 kg	58 lbs. / 26.3 kg	114.4 lbs. / 52 kg	132.3 lbs. / 60 kg
VESA Hole Configuration	200 x 200mm (4-hole)	300 x 300mm (4-hole)			400 x 400mm (4-hole)	
ENVIRONMENTAL CONDITIONS						
Operating Temperature	41-104°F / 5-40°C					
Operating Humidity	20 - 80%					
Operating Altitude	9843 ft. / 3000m					
LIMITED WARRANTY	3 years parts and labor, including backlight*					
ADDITIONAL FEATURES	Advanced thermal capabilities; Advanced cooling system; TileMatrix (10x10); TileComp; Separate group/Monitor ID function; Ethernet Control and Communication; RS-232 Control and Communication; Carbon footprint meter; Plug and Play (DDC/CI, DDC2B); Scheduler (w/ real-time clock); Screen saver function; POP; Side-by-Side; Kensington lock; Handles; Touch- and protective screen-ready; Variable picture modes; Advanced video settings (Noise Reduction, Adaptive Contrast); Input labeling; Backlight adjust; Aspect ratio control; Built-in speakers; OPS-Compliant slot					
SHIPS WITH	Single Board Computer (OPS-PCAF-WS); Power cord; 1.8m DVI-D cable; Wireless remote control; Batteries; Main switch cover; CD-ROM (user manual); Clamp; Screws					
OPTIONAL ACCESSORIES						
Single Board Computers	External Single Board Computer (TNETPC-AF-WH); All NEC OPS computers					
Other	Speakers (SP-RM2 for V423; SP-RM1 for V463, V552, V652 & V801); Stand (ST-322 for V423 & V463; ST-4620 for V552; ST-651 for V652; ST-801 for V801); Internal HD-SDI Card (SB-01HC); Internal 3G-SDI Card (SB-04HC); Digital IP Tuner (SB-03TM); Wall Mount Kit (WMK-3257); Display Wall Calibrator Kit (KT-LFD-CC)					

* Warranty restrictions apply. Contact your representative for details.

V423/V463/V552/V652/V801

DISPLAYPORT IN • HDMI IN • VGA D-SUB IN • LAN PORT
5 BNC IN (RGBHV, DVD/HD, S-VIDEO OR VIDEO) (V552/V652/V801 ONLY) • DVI-D IN/OUT • BNC COMPOSITE VIDEO IN • RS-232 IN/OUT

OPS-PCAF-WS

ETHERNET • DISPLAYPORT • USB • USB
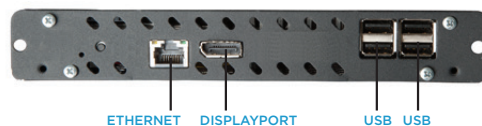
Specifications for OPS-PCAF-WS

Operating System	Microsoft Windows 7 Embedded
CPU	1.6 GHz Dual Core Fusion (T56N)
GPU	Integrated HD 6310
RAM	2 GB DDR3
Hard Drive	32 GB SSD
Video Output	External DisplayPort
Audio Output	External DisplayPort
Network Connections	Gigabit Ethernet
Control I/O	USB 2.0 x 4
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	16VDC Input Voltage, Power Dissipation (35W)
Operating Temperature	32° - 104°F / 0° - 40°C
Operating Humidity	80% maximum relative humidity, non-condensing
Dimensions (W x H x D)	7.1 x 1.2 x 4.6 in. / 180 x 30 x 118mm
Weight	2.5 lbs. / 1.2 kg
Certifications	CE, FCC Section 15

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DisplayNote NEC Edition