

NEC Digital Signage Solutions

42", 55" & 65" 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", 55" and 65" 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. What appetites in restaurants. Build brand awareness in retail. Turn heads in corporate lobbies. The digital signage possibilities are virtually endless.



Highlights

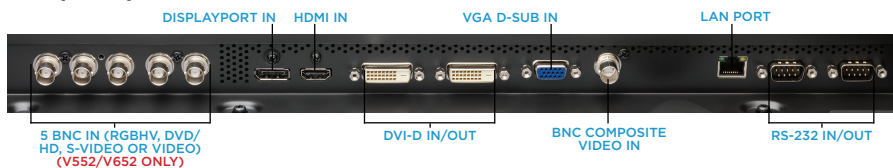
- **LED backlighting technology** reduces power consumption and allows for a slimmer cabinet depth
- **Integrated PC (OPS-PCAF-WS)** is optimized for reliable 1080p video playback
- **1920 x 1080 FHD native resolution** in true 16:9 aspect ratio, maximum brightness of 450 cd/m² and typical contrast ratio of up to 4000:1
- **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

Specifications for V423-PC/V552-PC/V652-PC

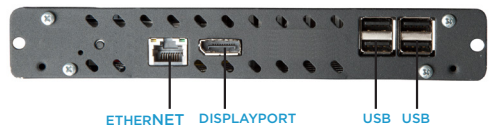
MODEL	V423-PC	V552-PC	V652-PC
LCD MODULE			
Panel Technology	SPVA	A-MVA	SPVA
Viewable Image Size	42"	55"	65"
Native Resolution	1920 x 1080		
Brightness (Typical/Max)	320 cd/m ² / 450 cd/m ²		
Contrast Ratio (Typical)	1300:1	4000:1	
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10		
Aspect Ratio	16:9		
Active Screen Area (W x H)	36.6 x 20.6 in. / 930.2 x 523.3mm	47.6 x 26.8 in. / 1209.6 x 680.4mm	56.2 x 31.6 in. / 1428.5 x 803.5mm
Orientation	Landscape/Portrait		
Displayable Colors	More than 16.7 million		
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	Stereo Mini-Jack, External Speaker Jack (2)		
External Control	RS-232C		
Digital Tuner	V423-AVT	V552-AVT	V652-AVT
Speakers	Integrated (10W x 2)		
POWER CONSUMPTION			
On (Typical)	153W	165W	250W
ECO Mode Standby	<0.5W	<2W	
PHYSICAL SPECIFICATIONS			
Bezel Width (L/R, T/B)	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
Net Dimensions (without stand; WxHxD)	38.3 x 22.3 x 2.7 in. / 972.5 x 565.4 x 68.3mm	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
Net Weight (without stand)	37 lbs. / 16.8 kg	58 lbs. / 26.3 kg	114.4 lbs. / 52 kg
VESA Hole Configuration	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; VGA cable (Mini 15-pin D-sub); 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 V552 & V652); Stand (ST-322 for V423/ST-4620 for V552/ST-651 for V652); 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/V552/V652



OPS-PCAF-WS



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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