\Orchestrating a brighter world NEC

NEC MultiSync® P463

Order Code: P463 **NEC LCD 46" Large Format Display**

The slimmer, lighter MultiSync® P463 is packed with additional features that make it the ideal professional choice for any 24/7 Retail, Transportation, Corporate or Control Room applications that demand trusted performance, flexibility and lower costs of operation.

New Connectivity and Sensors allow additional creativity in the content displayed and how it is controlled. The unique built-in NFC sensor in combination with NEC's new Android app reduces installation and maintenance times, especially useful on larger installations. The Human Sensor is aware of proximity based viewer presence and can change brightness, volume, inputs or power the display up or down resulting in added engagement and considerable energy savings over time.



DELIVERING GENUINE BENEFITS

Programmable Ambient Light Sensor - for reduced power consumption and eye pleasing brightness levels.

Future Ready with OPS Cable Free Expansion - Upgrade the power of your display at any time without the need for external cables or devices.

DICOM support- for medical applications.

Free DisplayNote Presenter Licence - present, share, collaborate with multiple participants across multiple devices (limited availability).

Free Download of Multi-Display Management Software - with NaViSet Administrator 2 you can manage all your connected display devices from a centralised location.



OUTSTANDING PERFORMANCE

- **Reduce Installation and Operating Costs.** The combination of LED back lights, Intelligent Wireless Data (NFC), programmable Ambient Light Sensor and (optional) OPS Slot-in PCs delivers the lowest installation and operating cost of any public display on the market.
- **Intelligent Wireless Data (based on NFC).** The built-in near field communication (NFC) chip allows data to be read and written with a mobile phone or tablet PC. Using the NEC Android app the user can pre-configure the display e.g. LAN settings, language etc. by holding an NFC capable device close to the display. All data will be transferred to the screen without the display needing power. This reduces set up and installation time and cost.
- **Human Sensor.** Save on power and reduce operating cost when the display operates at a very low brightness level and only switches to a higher brightness when a person is nearby. This optional feature can also be used for creative signage to e.g. switch inputs automatically to change from entertainment to information when a person approaches the screen.
- **Interface Extension.** This slot offers unique flexibility for additional connections with the choice of adding a single digital or two analogue boards.

This document is © copyright 2016 NEC Australia

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers.
All specifications are subject to change without notice. Errors and omissions are expected. Please consult with your NEC representative.



1. Power
2. Main Switch
3. Speaker connectors
4. Internal / External speaker switch
5. Audio out
6. USB port for service (firmware upgrades)
7. LAN daisy chain with SNMP (LAN switch and LAN / RS232 / remote loop through)
8. 2x Audio in
9. RS232 in
10. Remote in for external human / ambient sensor
11. VGA + Component input
12. DP 1.2 loop through
13. HDMI 1.4a
14. DVI-D

SPECIAL CHARACTERISTICS

Auto ID assignment, Auto tiling function, Automatic Alarm E-Mails, FREE DisplayNote Presenter, HTTP Server, Image flip, NaViSet Administrator 2, Point Zoom Function, Programmable 10-bit LUT with 3 memory banks, Sticky Note Function in OSD, User readable log function



Energy Efficiency Human Sensor; Ambient light sensor; Carbon savings meter; ECOMode

Ecological Materials Optional feet; Manuals on CD

Technical Specification NEC MultiSync® P463

DISPLAY	
Panel Technology	S-PVA with edge LED backlights
Active Screen Area (W x H) [mm]	1,018.08 x 572.7
Screen Size [inch/cm]	46 / 116.8
Brightness (shipping) [cd/m²]	550, (700 max)
Contrast Ratio (typ.)	4000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	8 (grey-to-grey)
SYNCHRONISATION RATE	
Horizontal Frequency [kHz]	31.5 - 91.1 (analog and digital)
Vertical Frequency [Hz]	50 - 85
RESOLUTION	
Native Resolution	1920 x 1080 at 60 Hz
Supported on DisplayPort and HDMI	1024 x 768; 1080i; 1080p; 1280 x 1024; 1280 x 768; 1360 x 768; 1600 x 1200; 1920 x 1080; 3840 x 2160 (24/30 Hz); 480p (60 Hz); 576p (50 Hz); 640 x 480; 720p (50/60 Hz); 800 x 600
Supported on HDMI only	1360 x 768; 3840 x 2160 (25 Hz); 4096 x 2160 (24 Hz); 480i (60 Hz); 576i (50 Hz)
CONNECTIVITY	
Input Video Analogue	1 x D-sub 15 pin
Input Video Digital	1 x DVI-D (with HDCP); 1 x HDMI (with HDCP); 1 x DisplayPort (with HDCP)
Input Audio Analogue	2 x 3,5 mm jack
Input Audio Digital	DisplayPort; 1 x HDMI
Input Control	LAN 100Mbit; remote control wire (3,5mm jack); RS232
Output Video Digital	1 x DisplayPort;
Output Audio Analogue	3,5mm jack
Output Control	LAN 100Mbit
Remote Control	RS-232C (9-pin D-sub) Input; LAN with SNMP; Remote Control IR (internal/ external (optional) sensor)
INTERFACE EXTENSION SLOT	
Slot Technology	analogue and digital interface extension (NEC standard)
OPS OPTION SLOT	
Slot Technology	Open pluggable specification (NEC / Intel OPS standard)
Inrush Current [A]	max. 10
Power Consumption [W]	max. 61
Voltage / Current [V/A]	16/4
SENSORS	
Ambient Light Sensor	Integrated, triggered actions programmable
Human Sensor	Optional, external, 4-5m range, triggered actions programmable
Temperature Sensor	Integrated, 3 sensors, triggered actions programmable
NFC Sensor	Integrated, 2cm range, free NEC Android App required
ELECTRICAL	
Power Consumption on Mode [W]	120 shipping; 280 (max.)
Power Savings Mode [W]	< 0.5 (ECO Standby); < 1
Power Management	VESA DPMS
ENVIRONMENTAL CONDITIONS	
Operating Temperature [°C]	+0 to +40
Operating Humidity [%]	20 to 80
MECHANICAL	
Dimensions (W x H x D) [mm]	Without stand: 1,055.4 x 608.6 x 64.5
Weight [kg]	Without stand: 21.4
Bezel Width [mm]	16.5
VESA Mounting [mm]	300 x 300 (FDMI); 4 holes; M6
AVAILABLE OPTIONS	
Accessories	Feet (ST-322); Speaker (SP-TF1, SP-RM1); Wall mounts (MSMU, MTMU, MTAPU)
Interface Extension	SB3-AB1 analogue: Audio; Component; Composite; S-Video SB3-AB2 analogue: Audio; RGBHV SB3-DB1 digital: 1 x DisplayPort out; 1 x HDMI; 2 x DisplayPort
OPS	HD-SDI 1.5G, 3G; HDBaseT receiver; Intel® Celeron and Core CPUs;
ADDITIONAL FEATURES	
Safety and Ergonomics	C-tick; CE; FCC Class B; PSB; TÜV GS; UL/C-UL or CSA; VCCI; RoHS
Audio	Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)
Shipping Content	Display; DVI-D cable; Power Cable; Remote Control; CD-ROM (User Guides/ Manuals)
Warranty	3 year conditional warranty incl. backlight

For more information, visit au.nec.com, email contactus@nec.com.au or call 131 632

Document Name: NEC P463 Datasheet
Document Revision: Version 2
Document Date: January 2016

\Orchestrating a brighter world NEC