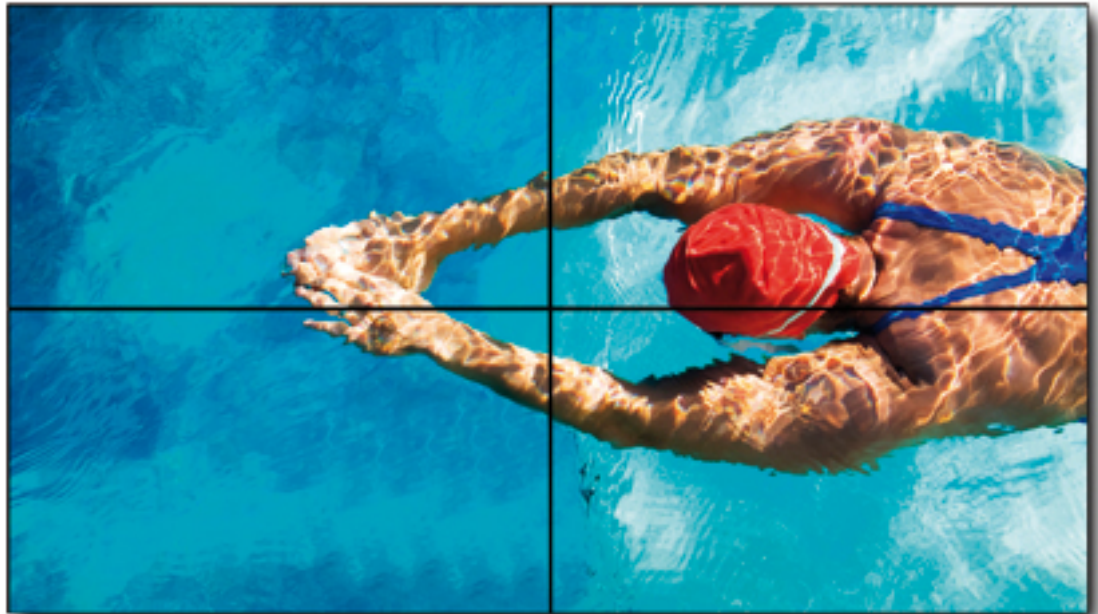


## NEC MultiSync® X462UN



**The ultimate video wall product for perfect video walls with the benefit of LCD technology and NEC quality.**

- Super slim bezel with 7.3 mm between contents and 6.7 mm bezel width
- 46 inch Public Display with professional LCD panel and NEC Edge Comp
- Ambient light sensor for optimized brightness levels and minimized power consumption
- Factory and user calibration for perfect brightness and color uniformity
- Option slot for Built-In PC, DVI Daisy chain and other boards



# KT-46UN-CC

## Display wall calibration kit for video wall applications

### Achieve consistent color performance across every inch of your digital video walls.

NEC's Display Wall Calibrator Kit (KT-46UN-CC) enhances the visual impact of digital content—whether in lobbies, on set in studios or in hospitals. Designed specifically for video walls, it measures each display's color and brightness and calibrates them all to identical optimum settings. This capability helps create the look of a seamless, mega-sized display and provides assurance of overall image consistency if one or more of the displays is replaced.

- **Automatic calibration** - The software communicates with the displays directly using either RS-232 or a LAN (Ethernet) connection to automatically adjust their settings
- **Internal Test Patterns** - These patterns simplify display calibration by allowing calibration to be performed automatically without manually selecting different test patterns during the process or connecting a PC to the video input of the displays
- **10-bit internal lookup tables (LUTs)** - Each supported display features three internal LUTs that allow very precise adjustments to be made to the tone response curve without reducing the number of displayable colors or introducing color banding artifacts
- **Gamma Correction** - In addition to adjusting the intensity (luminance) and white point of the displays, the software also calibrates the grayscale using the internal LUTs. This results in highly accurate color not only at 100% white but at all steps along the grayscale. A variety of different tone response curves also can be applied—from small gamma values to complex custom curves.
- **Flexible Connections** - Displays can be connected to the host PC using RS-232, LAN or combinations of both, or wirelessly by using a wireless-equipped host PC and LAN
- **Projects** - All display configurations, measurements and calibration data can be saved as a project file for later reference or re-calibration
- **Multiple Calibration Sets** - Varying calibration projects can be uploaded to each group of displays, allowing for quick and easy switching between calibration settings without the need to re-calibrate each display
- **Informative** - A summary window shows the results of the calibration and measurement data, allowing for detailed logging and reporting of the calibration procedure
- **Colorimeter function** - The software allows direct measurements to be taken by the color sensor and the results displayed in a variety of different formats.
- **Scalable** - Single displays to a 10x10 video wall are supported



### Supported LCD Displays

46" X462UN  
 46" X461HB  
 43" X431BT  
 40" P401/P401-AVT  
 46" P461/P461-AVT  
 52" P521/P521-AVT  
 55" P551/P551-AVT  
 70" P701/P701-AVT  
 40" S401/S401-AVT  
 46" S461/S461-AVT  
 52" S521/S521-AVT

### System Requirements

#### Windows:

Microsoft Windows XP or Vista (32 or 64 bit versions)

#### Mac OS:

Mac OS 10.4 or higher  
 Intel or PowerPC Processor

#### Hardware:

Supported model of NEC displays  
 Supported Color Sensor  
 At least one available USB port for Color Sensor  
 Standard TCP/IP LAN interface (optional if using RS232 or a Wireless LAN)  
 One or more RS232 Ports (optional if using LAN)  
 USB to RS232 adapter (optional if using LAN)

#### Supported Color Sensors:

GretagMacbeth Eye-One Display V1  
 X-Rite/GretagMacbeth Eye-One Display V2  
 X-Rite/GretagMacbeth Eye-One Monitor, Eye-One Pro  
 X-Rite ColorMunki  
 Monaco OptixXR (X-Rite DTP 94)  
 ColorVision/Datacolor Spyder 2  
 Datacolor Spyder 3

# NEC SB-L008WU

## DVI Daisy Chain Module for NEC Large-Screen LCD Displays

**Multiply your video messaging with ease.** An accessory for select NEC large-screen displays, the SB-L008WU DVI daisy chain module is a cost-effective way for you to loop in and out a single digital video signal to up to nine displays. The expansion slot option eliminates the need for external distribution equipment and power supply, thus providing for a clean look that simplifies installation and reduces maintenance without compromising quality. These benefits make the board ideal for video banners, ribbons and walls in addition to back-to-back installations in environments such as transportation, public information and digital signage networks.

### Features and Benefits

**Fully integrated seamless design** – Internal solution provides for clean, hidden integration that eliminates the need for external equipment and power supply

**Full HD resolution** – The board is capable of supporting crystal-clear, digital video transmissions up to 1920 x 1080 in resolution

**DVI output** – Gives users a fast and easy way to simultaneously transmit video content from a single player to up to nine screens in close proximity. This reduces the cost of using splitters or connecting monitors to multiple sources, making it ideal for digital signage configurations such as video tiling and back-to-back installations.

**Landscape and portrait orientations** – Provides versatility for various digital signage applications

**DVI cable (2m) included** – Further reduces installation costs



### NEC Displays Supported

#### NEC P Series

40" P401  
46" P461  
52" P521  
55" P551  
70" P701

#### NEC S Series

40" S401  
46" S461  
52" S521

#### NEC X Series

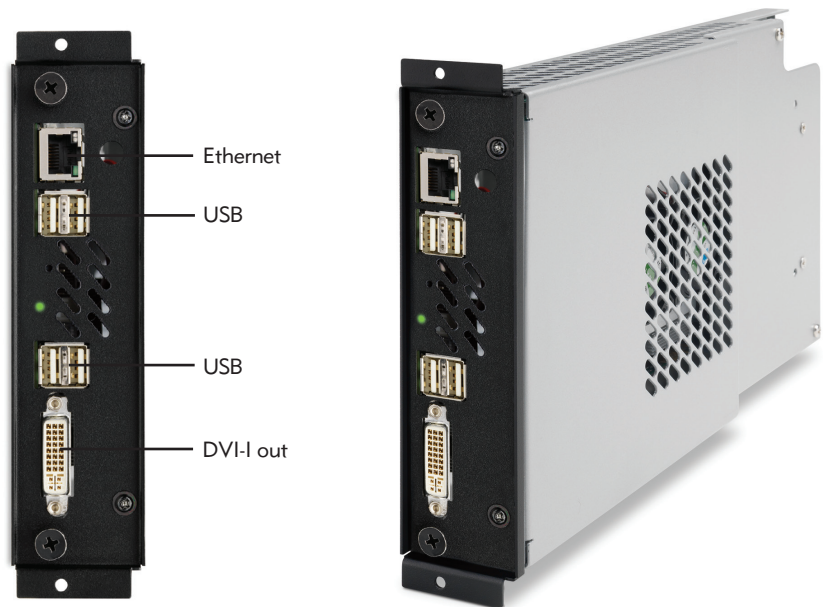
46" X462UN  
46" X461HB  
43" X431BT

<b>Input Signal (DVI - no HDCP)</b>	Compliant with DVI 1.0 1x DVI-D 24-pin connector VGA60, SVGA60, XGA60, WXGA60, SXGA60, UXGA60, 1920 x 1080 @ 60Hz
<b>Output Signal</b>	1x DVI-D 24-pin connector Loop-through signal Non DDC2B loop
<b>DVI</b>	1x M40/46 option slot interface connector Loop-through signal
<b>TMDS</b>	9 units +6VDC@500mA (from internal option slot interface) 2W
<b>Daisy Chain Connection (max)</b>	
<b>Power Supply</b>	
<b>Power Consumption</b>	
<b>Environmental Conditions</b>	
<b>Operating Temperature</b>	5 - 40°C / 41 - 104°F
<b>Operating Humidity</b>	20- 80% (without condensation)
<b>Storage Temperature</b>	-20 - 60°C / -4 - 140°F
<b>Storage Humidity</b>	10 - 90% (without condensation)
<b>Net Dimensions (WxHxD)</b>	6.1 x 1.6 x 10.9 in. / 155.5 x 40.5 x 276.2mm
<b>Weight</b>	2.1 lbs. / 0.95 kg
<b>Limited Warranty</b>	3 years

# NET-SBC-01/02/03

## Single Board Computers for NEC Large-Screen LCD Displays

**Enjoy full PC functionality integrated directly within your NEC display.** NEC's single board computer, available with a 1.6GHz Dual Core Atom CPU, offers the robust flexibility and performance required to process digital signage content. Used with select NEC displays' expansion slots, this solution eliminates the need for an external PC, cabling, mounting and power supply. It provides for clean, hidden integration, while reducing the bill of materials needed for installation and eliminating the hassle of hiding hardware equipment. In addition, the ability to drive discrete images on two different displays from one SBC via a DVI-I output allows for greater functionality while further reducing cost. These benefits make NEC's single board computer ideal for markets such as transportation, public information, corporate, retail and rental staging.



### Features and Benefits

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

**1.6GHz Dual Core Atom** offers flexibility for robust performance to process digital signage content, rendering beautiful imagery

**NVIDIA graphics chipset** allows for rendering of exceptional 3D graphic performance and resolutions up to 1920 x 1080

**Landscape and portrait orientations** provide for enhanced reliability compared to standard desktop PC and graphics cards

**Trade compliancy** eliminates procurement hassles for government agencies

**3-year warranty** matches that of the display

### Operating System

### CPU GPU RAM Hard Drive

### Video Output Audio Output Network Connections Control I/O Video Format Support

### Graphics Format Support Browser Support Audio Format Support Network Protocol Support

### Power Operating Temperature Operating Humidity Dimensions (W x H x D) Weight Certifications Compatible with

NET-SBC-01: Microsoft Windows XPe  
NET-SBC-02: NA  
NET-SBC-03: Microsoft Windows XPe  
1.6 GHz Dual Core Atom  
NVIDIA 9400M  
2 GB  
NET-SBC-01: 120GB SATA  
NET-SBC-02: 120GB SATA  
NET-SBC-03: 16GB Solid State  
Internal DVI (up to 1080p 60Hz), External DVI  
Internal Stereo  
External LAN (10/100/1000BASE-T)  
External USB 2.0 x 4, Internal RS-232  
MPEG2, MPEG4 part 2, MPEG4 part 10 (H.264), WM9/VC-1  
JPEG  
HTML, Flash, javascript, BMP, TIFF, GIF  
MP3, PCM, AAC  
Internet (IP, TCP, UDP, ICMP, ARP, DHCP, HTTP, FTP, IGMP, RTP, RTSP, SNMP)  
Internal Power Supply, Power Dissipation (30W)  
32° - 104°F / 0° - 40°C  
80% maximum relative humidity, non-condensing  
6.5 x 1.5 x 11 in. / 165.1 x 38.1 x 279.4mm  
2 lbs. / 0.91 kg  
FCC, Section 15  
NEC P Series, S Series, X431BT, X462UN, X461HB

# TNETPC-ION

## External PC for NEC Large-Screen LCD Displays

### Enjoy full PC functionality with your NEC display.

NEC's small form factor external PC, available with a 1.6GHz Dual Core Atom CPU, offers the robust flexibility and performance required to process digital signage content. Used with any NEC display, this solution's all-metal chassis and small form factor make it ideal for applications requiring a powerful yet small PC that can be tucked away or even mounted behind a display. Its wide selection of inputs give you greater flexibility and options for displaying content. These benefits make NEC's TNETPC-ION ideal for markets such as transportation, public information, corporate, retail and rental staging.



### Features and Benefits

**1.6GHz Dual Core Atom** offers flexibility for robust performance to process digital signage content, rendering beautiful imagery

**NVIDIA graphics chipset** allows for rendering of exceptional 3D graphic performance and resolutions up to 1920 x 1080

**Landscape and portrait orientations** provide for enhanced reliability compared to standard desktop PC and graphics cards

**Trade compliancy** eliminates procurement hassles for government agencies

**3-year warranty** matches that of the display

### Operating System

#### CPU

#### GPU

#### RAM

#### Hard Drive

#### Video Output

#### Audio Output

#### Network Connections

#### Control I/O

#### Video Format Support

#### Graphics Format Support

#### Browser Support

#### Audio Format Support

#### Network Protocol Support

#### Power

#### Small Form Factor

#### Rack Mount

#### Operating Temperature

#### Operating Humidity

#### Dimensions (W x H x D)

#### Weight

#### Certifications

#### Compatible with

Microsoft Windows XP

1.6 GHz Dual Core Atom

NVIDIA 9400M

2 GB

160GB SATA

HDMI (up to 1080p 60Hz), DVI, VGA

HDMI, Stereo (L/R), S/PDIF

LAN (10/100/1000BASE-T)

USB 2.0 x 6, RS-232 (DB9)

MPEG2, MPEG4 part 2, MPEG4 part 10 (H.264), WM9/VC-1

JPEG

HTML, Flash, javascript, BMP, TIFF, GIF

MP3, PCM, AAC

Internet (IP, TCP, UDP, ICMP, ARP, DHCP, HTTP, FTP, IGMP, RTP, RTSP, SNMP)

Input Voltage - 12VDC / Power Dissipation - 30W

Input Voltage - 110VAC / Power Dissipation - 30W

32° - 104°F / 0° - 40°C

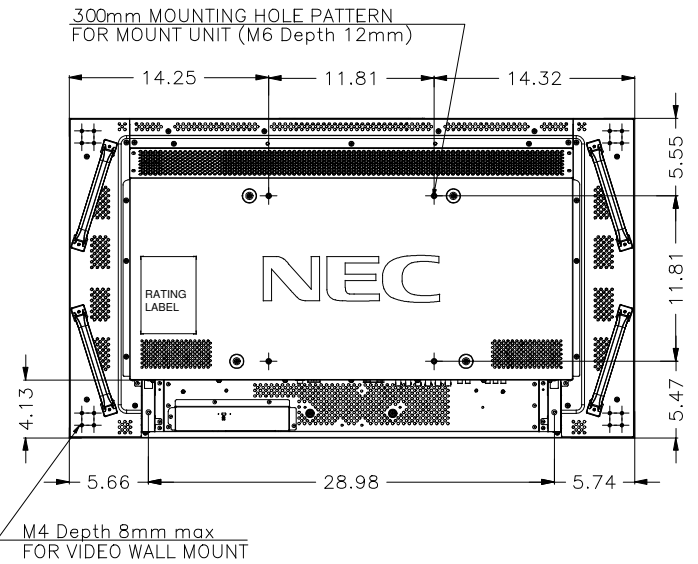
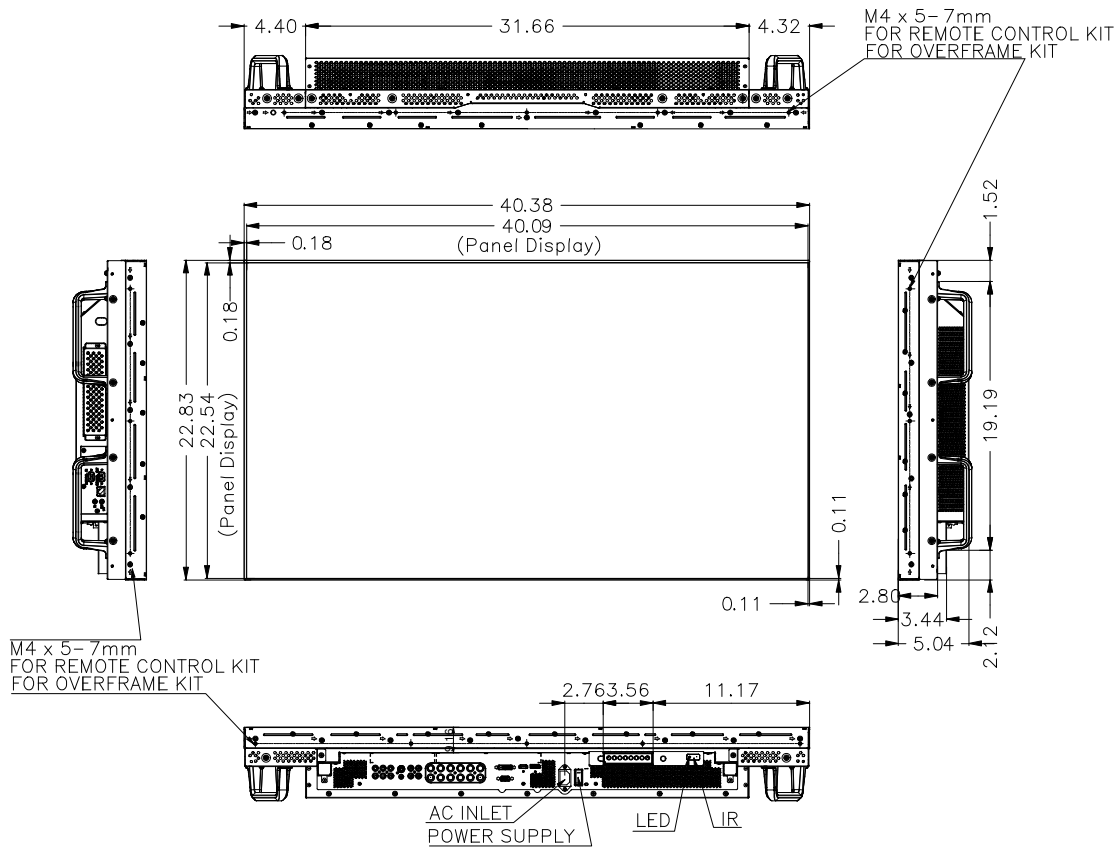
80% maximum relative humidity, non-condensing

7.4 x 1.75 x 7.5 in. / 188 x 44.4 x 190.5mm

2.5 lbs. / 1.13 kg

FCC, Section 15, CE

All NEC displays



NOTE: THIS PRODUCT IS NOT SYMMETRICAL

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Model: X462UN  
 Scale: 1:1  
 Unit: Inches

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