Preliminary Datasheet

LCD 43" Mirror Glass Display

NEC P435-MG

SHARP

Specifications

Product Information

Product Name
NEC P435-MG

Product Group
LCD 43" Mirror Glass Display

Display

Panel Technology
IPS with Edge LED backlights

Screen Size [inch/cm]
43 / 108

Aspect Ratio
16:9

Brightness [cd/m²]
700

Contrast Ratio
≥ 8000:1 [1]

Viewing Angle [°]
178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Thickness [mm]
4

Colour Depth [bn]
1.073 (10bit)

Colour Gamut
86% of DCI

Response Time (typ.) [ms]
8

Panel Refresh Rate [Hz]
60

Haze Level [%]
Pro (28)

Supported Orientation
Landscape, Portrait, Face Up, Face Down [2]

Protective Glass

Type
Semi-transparent mirrored glass, thermally toughened

Thickness [mm]
4

Light Transmission [%]
42 (+/- 5 %)

Resolution

Native Resolution
3840 x 2160

Supported Resolutions

1024 x 768;	1440 x 900;	2560 x 1600;
1280 x 1024;	1600 x 1200;	3840 x 2160;
1280 x 720;	1920 x 1080;	4096 x 2160;
1360 x 768;	1920 x 2160;	7680 x 4320
1400 x 1050;	2560 x 1440;	

Synchronisation Rate

Horizontal Frequency [kHz]
15 - 135

Vertical Frequency [Hz]
23 - 76

Connectivity

Input Video Digital
2 x DisplayPort (with HDCP); 2 x HDMI (with HDCP)

Input Audio Digital
1 x DisplayPort; 2 x HDMI

Input Control
LAN 100Mbit; remote control wire (3,5mm jack); RS232

Input Data
1 x USB 2.0 (Downstream); 1 x USB 2.0 (Powered 5V/2A, Firmware Updates); 1 x USB 2.0 Type-B (Downstream)

Output Video Digital
1 x DisplayPort (loop through: DisplayPort, SDM slot-in PC); 1 x HDMI (loop through: HDMI, SDM slot-in PC)

Output Audio Analogue
1 x 3,5 mm jack

Output Control
1 x LAN 100Mbit

Input Detect
Custom; First; Last

PiP/PbP
Quad-Split; scalable picture size

Calibration

Factory Calibration
Gamma; Intensity; RGB; Uniformity; White Point

Sensor Calibration (through USB)
PC-less Calibration with USB Sensor MDSVSensor3

Calibration with Software
Corner Uniformity; Gamma; Intensity; RGB; Update Factory Calibration; White Point

Calibration Software
Display Wall Calibrator

Open Modular Intelligence

Intel® SDM
accepts Intel® Smart Display Modules Large and Small up to 66 W

Compute Module Slot
RPi Compute Module 4

Sensors

Ambient Light Sensor
Integrated, triggered actions programmable

Temperature Sensor
Integrated, 3 sensors, triggered actions programmable

Electrical

Power Consumption [W]
90 shipping

Power Savings Mode [W]
< 0.5; < 2 (Networked Standby)

Power Management
VESA DPMS

Power Supply
100-240 V AC; 50/60 Hz; internal

Environmental Conditions

Operating Temperature [°C]
+0 to +40

Operating Humidity [%]
20 to 80

Storage Humidity [%]
10 to 90

Storage Temperature [°C]
-20 to 60

Mechanical

Dimensions (W x H x D) [mm]
987.4 x 569 x 75.9

Weight [kg]
25.6

Bezel Width [mm]
15 (top); 19.6 (bottom); 20.6 (left/right)

VESA Mounting [mm]
300 x 300 (FDMI); 4 holes; M6

Ingress Protection
IP5x (front); IP2x (back)

Packaging Dimensions (W x H x D) [mm]
1,120 x 700 x 203

Packaging Weight [kg]
30.1

Colour Bezel
Pantone 426M (black)

Material
Metal

Available Options

Accessories
Feet (ST-43M); MPi4 NEC MediaPlayer Kit; Presence Sensor (KT-RC3); Soundbar (active: SP-ASCM-IQ2 / SP-ASCM-2); Speaker (SP-RM3); Trolley (PD04-Tipster Trolley); Wall mount (PDW S 32-65 L, PDW S 32-65 P)

Regulatory

Safety and Ergonomics
BSMI; CE; EAC; EMC Class B; Energy Star 8; FCC Class B; KC/KCC; PSB; RCM; RoHS; VCCI

Pixel Failure Class
ISO 9241-307, Class 1

Resistance to Fire
Metal backcover, plastic material certified acc. to UL94-5VB

Green Features

Energy Efficiency
Energy Consumption: 87 kWh/1000 h; Energy Efficiency Class: G; LED Backlight

Ecological Standards
EnergyStar 8.0

Additional Features

Special Characteristics
DICOM Simulation; HDMI ARC; Powered USB Port (10 W); Removable Logo

Shipping Content
2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual

Warranty
3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension [3]

Operating Hours
24/7

External Control
AMX NetLinx Support; ASCII Control Commands; Crestron Connected; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP

Remote Management
Automated Email Alerts; NaViSet Administrator 2

Security
Disable HW Buttons; Disable IR Functionality; Emergency Notification

[1] out of the box conditions, local dimming ON

[2] adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

[3] please refer to terms and conditions of warranty extensions

RoHS VCCI CE RCM FCC Class B

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