nTouch 60

MediaMatrix ®
Peavey Electronics Corporation

Touch Screen Panel   **Data Sheet**

DESCRIPTION

MediaMatrix nTouch 60 is a touch screen control panel for controlling MediaMatrix audio systems designed in NWare.

The unit has a touch-sensitive screen that measures 60 mm (2.4") diagonally. This is used for navigating menus and selecting different options from an NWare project. The control knob below the screen allows you to easily make adjustments to settings, like volume or tone, for example.

The unit works in conjunction with an nControl or nTouch 180, which runs NWare Kiosk software. The images displayed by Kiosk are transferred over to the nTouch 60 for display on its screen. When the user interacts with the nTouch 60, control messages are sent back to Kiosk to update settings in the project and request new screens.

The convenience of the touch screen allows users to interact with projects without the need for a mouse or keyboard. The nTouch 60 case uses standard NEMA mounting.

FEATURES

- Touch screen user interface

- Touch-sensitive, rotary control knob for fine adjustment of settings

- Finger or stylus can be used to interact with applications

- Managed from within NWare

- Easy connection and installation

- One-gang NEMA mount (fits US, UK, European and Australian NEMA wall boxes)

- Power over Ethernet (PoE) or local power supply options

- Low power requirements.

Specifications

Front of Unit

Screen: 60mm (2.4") analog resistive touch screen.
Resolution: 320x240.
Display type: AMOLED.
Color depth: 262K.
Contrast ratio: 10000:1.
Can be operated with finger or stylus.
Control knob: Rotary encoder with endless action. Configured to wake unit from sleep mode when touched. Behind knob are holes for fixing unit to wall mounting bracket.

Rear of Unit

Power connector: Connector socket for DC power. Unit uses 12-48V @ 1A. Consumption 12W max.
Ethernet port: Standard Ethernet port. Supports Power over Ethernet (PoE).
Set up button: Switches the device into set up mode so that network configuration settings can be specified.
NEMA fixing plate holes: Two mounting holes for connecting to a wall mounting bracket.

CPU Specification

Processor: ARM Cortex M3 based micro controller.

Mechanical Specifications

Chassis Style: Metal case for mounting onto NEMA enclosure.
Dimensions: 100mm (3.94in.) W x 20mm (0.79in.) D x 135mm (5.31in.) H.

Environment

Operating temperature: 0° to +60°C.
Operating humidity: Up to 100%, non-condensing.

Architect's & Engineer's Specifications

Touch Screen Panel

The Touch Screen Panel shall be a 60mm (2.4") resistive touch screen designed for fixed installation in engineered audio and communications systems. The unit shall include an architecture based on an ARM Cortex M3 based microcontroller. The unit shall include a rotary encoder on the front to allow the user to interact with screens displayed on the front panel. When the rotary encoder has not been touched for a set period of time, the unit shall switch to sleep mode and the display shall be dimmed. In normal operation the unit shall display screens generated in NWare:Kiosk and transferred to the unit from an nControl or nTouch 180. The unit shall be configurable via set up screens displayed on the front panel. Support shall be provided for standard Ethernet management via an integrated, rear panel LAN port. The unit shall be powered using a DC power supply or using Power over Ethernet. The Touch Screen Panel shall allow software to be copied over to the unit and installed via the Ethernet connection. The Touch Screen Panel shall allow for a standard NEMA mounting configuration via mounting holes on the rear. The Touch Screen Panel shall be the nTouch 60 or approved equal.