Power Over Ethernet with SmartDisplays

Description

NKK Switches has combined power over ethernet (PoE) and SmartDisplays to produce a compact HMI product line. Only one connection, an ethernet cable, is required for both device power and communication. The self-contained nature allows utilization in many different environments and industries. Each product is a configurable interface between a user and a remote customer system. With dynamically changing legends and functionality, the PoE product line is perfect for controlling or statusing equipment from many different locations.

NKK currently offers the OLED Rocker PoE product (IS-S02R1).

IS-S02R1 Features
- Contains 1 OLED Rocker SmartDisplay (3-position rocker)
- Capable of playing animations over 30 frames per second
- Images and configuration are stored on SD card
- Additional bicolor pushbutton option available
- TCP/IP communication
- Human-readable JSON packets for configuration and control
- Fits in a standard 1-gang electrical socket
- USB communication as well as Ethernet

IS-S02R1 Technical Specs
- 2.75" x 4.5" x 1.75"
- 2.4W Maximum
- OLED Display 96x64 pixels (monochrome)
- TCP/IP, DHCP or Static
- User assignable port
- User assignable host address (To report switch presses to)
- 15 levels of brightness

NKK can supply subsystems with any configuration, number, and type of SmartDisplays with USB and Ethernet communication. Custom firmware behavior is also available. Please contact engineering@nkkswitches.com with your requirements.