PCAN-MiniDisplay (IPEH-002262)

Product Description

The PCAN-MiniDisplay is a human-machine interface designed for the visualization, recording, and playback of CAN data. It features two High-speed CAN channels and displays incoming data on a TFT screen, based on pre-configured display settings. It can also serve as a CAN logger, storing traffic on a microSD memory card for later analysis on a PC.

Hardware Features and Capabilities

• Two High-speed CAN channels (ISO 11898-2), bit rates: 40 kbit/s to 1 Mbit/s

• Supports CAN 2.0 A/B protocol; NXP TJA1041 CAN transceiver with wake-up function

• TFT display resolution: 320 x 240 pixels

• 2 analog inputs: 10-bit resolution, 0 to 16.5 V range

• 1 digital input and 1 digital output

• Slot for microSD card (up to 32 GB), includes 512 MB card

• USB 2.0 port (High-speed) for PC access to memory card

• Voltage supply: 7 to 30 V

• Dimensions: 80 x 55 mm

• Operating temperature: -20 to +70 °C (-4 to +158 °F)

Display and Visualization Features

• Freely configurable via text files

• Supports display of text, CAN data, analog and digital input values

• Formats: numerical, floating point, string with enum and multiplexer support

• Bitmap image display with transparency, signal-dependent image lists

• Signal curve plotting, configurable key/buzzer/display control via CAN

• CAN frame sequences can be sent at configuration start, during operation, and at end

Recording and Playback Capabilities

• CAN message recording with optional error logging

• Configurable CAN ID filtering per channel

• Windows software for file conversion

• Playback functionality with optional loop mode

• Supports auto-start of configuration or recording on power-up

Optional Version: PCAN-MiniDisplay Case

• Device enclosed in plastic housing with 3 push buttons

• Terminal block connections (Phoenix connectors)

• Enables menu navigation and switching between display configurations

Scope of Supply

• PCAN-MiniDisplay with mounting frame

• Power, CAN, and digital I/O cables

• 512 MB microSD card installed

• PEAK-Converter software for Windows 11 (x64/ARM64), Windows 10 (x64)

• Configuration examples and PDF manual

• PCAN-MiniDisplay Case includes the above plus plastic housing and mating connectors

Ordering Information

• PCAN-MiniDisplay – Part No.: IPEH-002262

• PCAN-MiniDisplay Case – Part No.: IPEH-002262-KSM01