

## PCAN-MiniDisplay (IPEH-002262) – Detailed Data Sheet



### 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