Digiteq Automotive

We make car revolution happen

ScreenLinq

ScreenLinq brings a simple solution for the interconnection of computers and in-car displays. The ScreenLinq allows to extend or mirror of the content from a computer directly to in-car displays including optional CAN-FD communication processing.

ScreenLinq allows to extend or replicate a computer screen to an in-car display. The tool is useful whenever is necessary to project any graphical content from the computer on the in-car display. Therefore, ScreenLinq mostly finds a place during concept development or evaluation of different concepts and ideas. These activities are performed on test benches or directly in a car during UX testing or prototype demonstration. Therefore, UX designers can test a user interface in real-time due to touch screen gestures support.

The main advantages of ScreenLinq usage are seamless integration with existing software and operating systems, various displays are supported (can be preset or user-defined), and overall user-friendly operation. ScreenLinq can be easily customized, it offers exceptional reliability and a wide range of accessories for an affordable price.

To operate ScreenLinq in standalone mode, only four steps are required: connect an in-car display via FPD-Link III interface and micro-harness cable; select the desired display profile; to apply power; and to connect ScreenLinq to a computer with an HDMI cable. If CAN communication or advanced features (such as touch gestures) are required, simply connect ScreenLinq to the computer with a USB cable. ScreenLinq can also provide power to the in-car display directly.

Key features

- Easy connection between a computer and an in-car display
- Preloaded profiles of the most used VW Group ABT displays
- Additional display profiles on request
- Touch functionality between the connected display and the computer
- Can be used both on a Test Bench or directly in-car, but it is not limited to
- Standard Canon 9 connector with dual CAN-FD including power for the display
- HDMI 1.4b input
- FPD-Link III output (dual-link capable)
- 12 – 15 VDC nominal (6 – 15 VDC when an in-car display has an independent power supply)
- Compact size

Display size profiles for eight of the most commonly used VW Group in-car displays are already pre-loaded (see the Technical Parameters section below). Furthermore, on request, it is also possible to adapt the device to any additional display profiles.

A standard delivery contains a ScreenLinq device with a power supply and necessary cable accessories.

Potential customization of the device:

› On-demand individually programmable display profiles (ABT, FPK, head-up)
› Implementation of a Touch & Swipe functionality
› Simulation of the requested control feature based on CAN signals
› Programmable button of the device for requested feature (trigger function, etc)

Delivery content:

› ScreenLinq
› AC/DC adapter 230/12 V
› CAN harness cable
› HSD cable
› HDMI cable
› USB cable

Technical Parameters	
Input:	HDMI 1.4b (pixel clock up to 210 MHz)
Output:	FPD-Link III Source (dual-link capable) 2x CAN-FD (Vector compatible) 1x LIN Master
Currently pre-set display profiles:	**10.0" ABT** (MIB EI GP (ABT-W), MIB3 OI GP (ABT-W), ICAS 3 (ABT-E), **10.4" ABT** (MIB3 EI GP, MIB3 OI GP), **12.0" ABT** (ICAS3 (ABT-E), CNS 3.0 GP (ABT-W), **12.9" ABT** (MIB3 OI, ICAS 3 GP, CNS 3.0 GP, ICAS 3 GP CHN), **13.1" ABT** (MIB3 OI) **15.0" ABT** (MIB OI GP, ICAS 3 GP, CNS 3.0 GP, ICAS 3 GP CHN, OI@Android), Additional display profiles are possible to configure upon request.
Weight	200 g
Dimensions (w × h × d)	105 × 95 × 26 mm (including connectors and control elements)
Power voltage	12 – 15 VDC nominal (6 – 15 VDC when an in-car display has an independent power supply).
Operating temperature	0 °C to 60 °C while preventing condensation
Built-in CAN terminators	120 Ω, activated by DIP switches on the rear panel
CAN physical layer	In accordance with ISO 11898
EMC Compliance	CISPR 32/EN 55032
Water resistance	IP 30

For ordering, further details and available accessories please contact us: business.products@digiteqautomotive.com