

PureTools – 4" Programmable Touch Panel for Central Control or User Terminal

PT-CON-TP40-SD – 4" Programmable In-Wall Touch Panel: Integrated AV Control and User Interface for Fixed Installations
The PT-CON-TP40-SD is a 4" in-wall programmable touch panel engineered for AV control and user interaction in professional environments such as multimedia rooms, conference spaces, training centres, and industrial automation sites. Its compact 86x86mm form factor enables seamless integration into standard wall boxes, while the capacitive touch display supports precise user input. The unit operates on Android 11 with robust hardware resources, supporting both touch control and terminal modes. Dual power options and comprehensive network protocol compliance facilitate reliable deployment across diverse AV infrastructures.

- **Android 11 Platform with Expanded Memory:** Utilising an ARM Cortex-A55 architecture at 1.8GHz, the panel runs Android 11 with 4GB DDR4 RAM and 32GB eMMC storage. This configuration supports responsive operation, rapid interface loading, and secure handling of complex AV control tasks in meeting rooms or automation environments.
- **4" Capacitive Touch Display:** The 480x480 resolution colour screen provides a 1:1 aspect ratio for clear visual feedback and intuitive control. Its capacitive technology ensures accurate touch response, supporting interactive workflows in control rooms, showrooms, and broadcast studios.
- **Dual-Mode Operation:** The panel functions as either a dedicated touch control interface or a user terminal, selectable according to installation requirements. This dual capability enables flexible deployment in multi-functional halls or hybrid AV systems.
- **Comprehensive Control Software:** Integrated configuration software allows interface design and programming through IDE tools, eliminating the need for prior coding experience. Password-protected web access and support for factory reset enhance security and maintainability in managed AV networks.
- **Gigabit Ethernet and RS-232 Connectivity:** Equipped with a 1Gbps LAN port and a configurable RS-232 serial interface (supporting 8 baud rates from 2400–115200bps), the panel ensures reliable communication with AV devices and system controllers in both legacy and IP-based installations.

Versatile AV Control for Professional Environments
By combining a high-performance Android platform, flexible dual-mode operation, and comprehensive connectivity, the PT-CON-TP40-SD supports centralised AV control and user interaction across a wide range of fixed installations. The unit provides a technically robust solution for integrating touch-based control into automated office systems, multimedia conference rooms, and industrial automation projects, addressing common requirements for secure, scalable, and intuitive AV management.



Features

- Android 11 OS with 4GB DDR4 RAM and 32GB eMMC
- 4" colour touch display (480x480) in 86x86 in-wall design
- Dual-mode operation: use as a touch control panel or as a user terminal
- Intuitive comprehensive control software – no programming knowledge required
- Reliable connectivity: Gigabit Ethernet plus RS-232 serial control

Specifications

Design	
Backlight type	LED
Customizable buttons	Yes

Display	
Touchscreen technology	Capacitive
Display type	LED
Display resolution	480 x 480

CAT	
Power over Ethernet (PoE)	PoE (802.3af)

General Information	
Dimensions (WxDxH)	86.00 mm x 86.00 mm x 44.50 mm
Gross weight	165 g
Mounting	Wall bracket
Housing colour	Space Grey
Operating temperature (T-T)(°C)	from 0 °C to 40 °C
Operating relative humidity (H-H) (%)	from 20 % to 80 %
Storage temperature (T-T)(°C)	from -20 °C to 60 °C
Storage relative humidity (H-H)(%)	from 10 % to 90 %
Certification	CE

Network	
Ethernet LAN data rates	10M/100M/1000M
Supported network protocols	TCP/IP, Http, UDP, Websocket

Ports & interfaces	
Other	1x TCP/IP (RJ45), 1x RS232 (3 pin Phoenix), 1x Debug (Micro USB)

Technical details	
CPU	ARM Cortex-A55 1.8GHz
Operating System	Android 11
Flash memory	32GB EMMC Flash
RAM	4GB DDR4 RAM
DC voltage (max)	24 V
DC current (max)	1 A
Power consumption (average operating)	8 W

© 2025 PureLink. PureLink, the PureLink logo and other PureLink marks are owned by PureLink and may be registered. All other trademarks are the properties of their respective owners. PureLink assumes no responsibility for any errors that may appear in this publication. Product, pricing and feature information contained herein is subject to change without notice.

Contact us at
www.purelink.de

+49 5971 800 299-0
info@purelink.de

PureLink GmbH
Von-Liebig-Str. 10
48432 Rheine
Germany

PureLink UK LTD.
Carpenter Court, 1 Maple Road
Bramhall, Stockport - Cheshire SK7 2DH
United Kingdom

v10-2026