

Custom PCAP Touch Panel Datasheet

Projected capacitive touch panels for OEM industrial, medical, kiosk and embedded devices

Revision: Draft v0.1 | Application: Custom OEM/ODM touch panel projects for industrial, medical, kiosk and embedded devices

Best-fit projects

- Custom cover glass, printed border, shaped edge or non-standard outer dimension.
- USB HID, I2C or RS232 touch interface required by the host system.
- Small batch prototype before volume production or tooling approval.
- Industrial HMI, medical device, self-service terminal, outdoor panel and custom instrument.

Core specifications

Parameter | Standard direction | Project options | RFQ notes

Panel size | 4.3 to 75 inch project range | 7, 10.1, 15.6, 21.5 inch common | Send outer dimension, active area and visible area.

Sensor stack | G+G or G+F+F | Industrial, medical and kiosk structures | Thickness, impact target and cost target affect selection.

Interface | USB HID / I2C | RS232, custom FPC pinout | Confirm OS, host board, cable length and connector.

Controller | EETI / ILITEK / Microchip by project | Firmware tuning available | Water, glove, EMI and palm rejection need validation.

Cover glass | 0.3 to 6.0 mm | AG / AR / AF coating, logo print, shaped lens | Confirm color, border width, edge shape and tolerance.

Touch behavior | 1 to 10 touch points | Wet touch, glove touch, palm rejection | Confirm glove material, water condition and grounding.

Assembly | Touch panel only | LCD matching, air bonding or optical bonding | Use for high brightness, condensation or reflection control.

Quality and compliance support

- ISO-controlled production process with incoming material and electrical inspection.
- CE / RoHS documentation support for European OEM project files.
- Engineering review before sample tooling: cover glass, FPC route, controller, grounding and bonding risk.

Prototype and logistics

- Fast sample route: feasibility and sample plan normally confirmed within 3 to 7 working days after drawing review.
- Low MOQ and small batch prototype can be reviewed by project.
- EU project shipping support via DHL, UPS, FedEx or customer-appointed forwarder.

Fast RFQ checklist

- 2D drawing or sketch with outer dimension, active area and visible area.
- Interface requirement: USB HID, I2C, RS232 or custom pinout.
- Cover glass thickness, coating, print color and edge treatment.
- Environment: indoor, outdoor, wet touch, glove touch, EMI risk, operating temperature.
- Forecast quantity, sample timing and annual volume target.

Notes

Document status: Draft for RFQ screening. Final specifications depend on drawing review, LCD availability, controller selection and validation tests.

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