IP65 Waterproof Touch Monitor Datasheet

Sealed-front PCAP touch monitors for outdoor kiosks, EV chargers and industrial cabinets

Revision: Draft v0.1 | Application: Outdoor kiosk, EV charging, wash-down equipment, marine terminal and industrial cabinet projects

Best-fit projects

- Outdoor kiosk, EV charging station, wash-down equipment, marine terminal and industrial cabinet.
- Projects requiring front IP65 sealing, wet-touch stability, 1000 nits option and optical bonding.
- Public-use terminals where glare, water film, dust, heat and mounting flatness affect reliability.

Core specifications

Parameter | Standard direction | Project options | RFQ notes

Ingress protection | Front IP65 | Higher sealing by project assessment | Full enclosure sealing depends on cabinet and cable exits.

Display size | 7 to 21.5 inch common | 4.3 to 75 inch by project | Confirm opening, active area and mounting.

Brightness | 500 to 700 nits | 1000 nits or higher | Sunlight readability depends on bonding, glare and heat.

Bonding | Air bonding | Optical bonding | Improves reflection, condensation and ruggedness.

Surface | Cover glass | AG / AR / AF, strengthened glass | Reduces glare, fingerprints and reflection.

Touch | USB HID PCAP | Wet-touch and glove-touch tuning | Important for EV chargers, kiosks and car wash systems.

Mounting | Panel mount or VESA | Open frame, embedded bezel or custom housing | Sealing depends on flatness and gasket pressure.

Front IP65 vs full enclosure

- Front IP65 means the user-facing side is sealed against splash, rain and dust.
- Full enclosure sealing also depends on rear housing, cable exits, connectors, ventilation and customer cabinet.
- Send cabinet drawing and installation angle before selecting gasket and mounting structure.

Quality and compliance support

- ISO-controlled production, waterproof-front structure review and touch/display inspection.
- CE / RoHS documentation support for European OEM projects.
- Engineering review for brightness, bonding, coating, wet touch and sealed-front structure.

Fast RFQ checklist

- Size, brightness target, mounting method and exposed front area.
- Rain, dust, sun, cleaning liquid, glove and operating temperature conditions.
- Cabinet opening, gasket plan, cable exit, installation angle and expected quantity.
- Need for optical bonding, AG/AR/AF coating, 1000 nits or custom housing.

Notes

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

Contact: admin@evergloryltd.com | EverGlory Photoelectric Co., Ltd.