

# FUJITSU Component Touch Panels

## Feather Touch - Long Life 4-Wire series

### Fujitsu Resistive Touch Panel Specification

#### Features

- Superior quality 4-wire resistive touch panels
- Available in light input force types (min. 0.02N) or standard force types
- Light input force with dual input gesture supports PCAP comparable user experience
  - Pinch, Zoom, Rotate, Swipe or Flick action detection by the application or operating system
- Excellent specification and high quality panels for a wide range of applications
- Pen/finger input support
- 80% transparency typical
- New optional clear film with enhanced transparency and reduced friction
- Custom antibacterial and antiviral functionality
- RoHS compliant



#### ■ Feather Touch - Long Life 4-Wire Resistive Touch Panel Part Numbers

Size	Aspect Ratio	Part number	Transparent area (mm)	Glass thickness (mm)	Tail (Flex) length mm	Transparency %
22	wide	FID-1144-001-A22	479.8 x 303.1	1.8	120	80
19	4x3	FID-1143-001-A19	382.9 x 307.7	1.8	120	80
15	4x3	FID-1142-001-A15	311.0 x 234.2	1.8	120	80
15	4x3	FID-1141-001-A15	309.0 x 233.0	1.8	120	80
12.1	4x3	FID-1135-001-A12	251.0 x 189.5	1.1	75	80
10.4	4x3	FID-1134-001-A10	216.0 x 163.0	1.1	75	80
10.4	4x3	FID-1133-001-A10	216.6 x 164.6	1.1	75	80
10.1	wide	FID-1132-001-A10	229.0 x 131.5	1.1	75	80
10.1	wide	FID-1131-001-A10	223.4 x 141.5	1.1	75	80
8.4	4x3	FID-1125-001-A08	175.9 x 133.3	1.1	61	80
8.4	4x3	FID-1124-001-A08	176.0 x 133.5	1.1	61	80
7	wide	FID-1123-001-A07	162.4 x 98.6	1.1	61	80
7	wide	FID-1122-001-A07	159.4 x 97.4	1.1	61	80
5.7	4.3	FID-1121-001-A05	119.2 x 89.4	1.1	61	80

- Notes: Full specifications are available - please contact your local Sales Representative or use the Contact Form to request

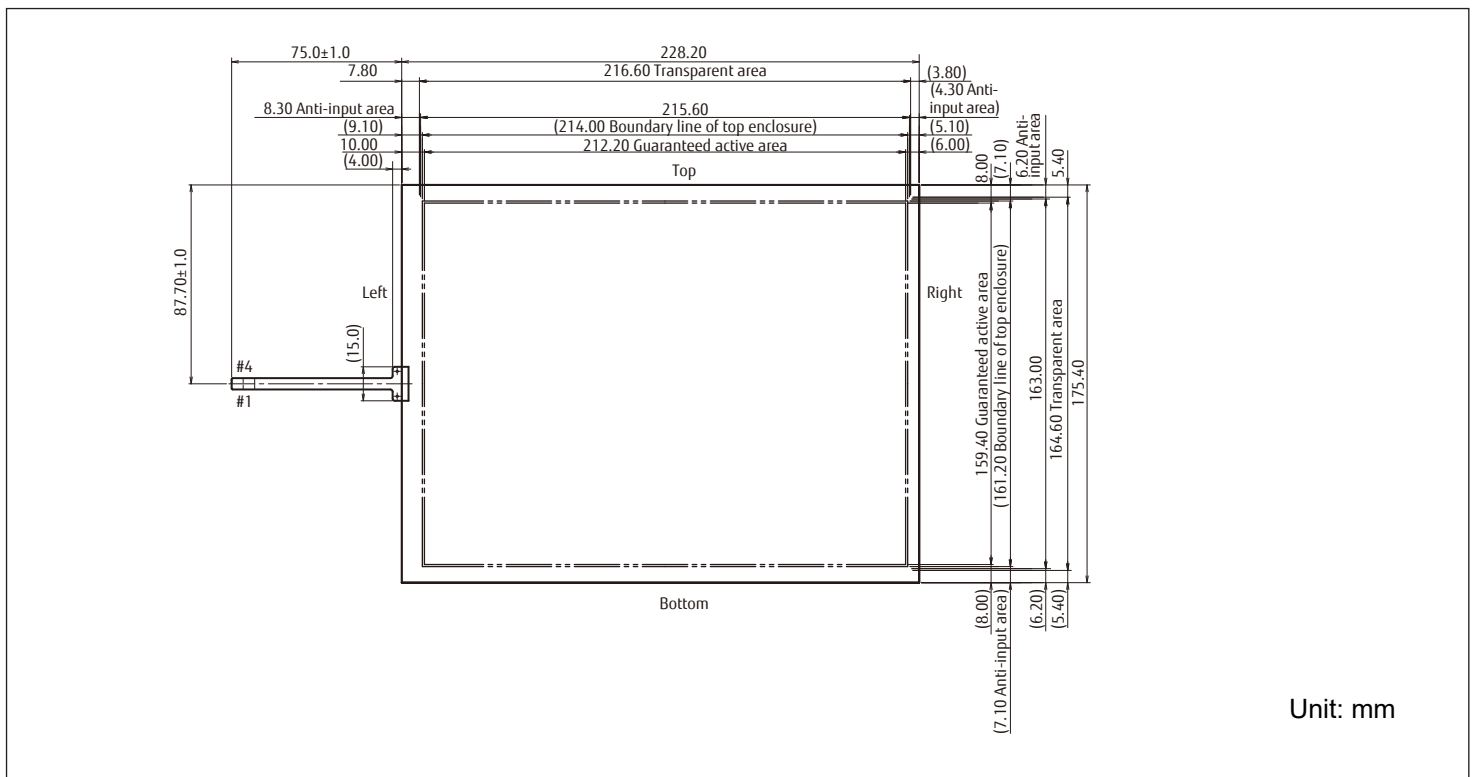
■ Controller Boards

Part Number	Type	Support Interface	Features	Dimensions (mm)
FID-1850-170	4-wire	RS232C	Single input	75.0 x 30.0 x 8.5
FID-1850-150	4-wire	USB (full speed)	Single input	75.0 x 30.0 x 8.5
FID-1850-160	4-wire	USB (full speed)	Dual / single input	60.0 x 30.0 x 5.2

■ Control IC

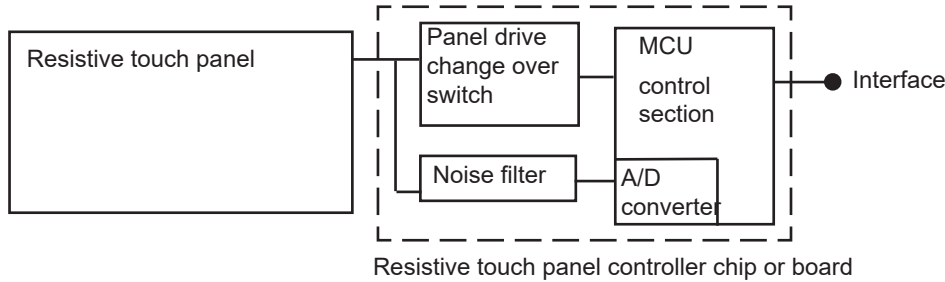
Part Number	RTP Type	Support Interface	Feature	Dimensions (mm)
FID-1860-013	4-wire	Asynchronous serial	Dual/single input	7.0 x 7.0 x 1.7 (body) 48 pin LFQFP
FID-1860-014	4-wire	USB (full speed)	Dual/single input	7.0 x 7.0 x 1.7 (body) 48 pin LFQFP

■ Dimension example



■ System description and block diagram

Fujitsu's touch panel in combination with a control IC chip or control board is used for transfer the co-ordinate data to the host system.



■ General notes

Touch panels are made of glass, so care must be taken in handling them. Do not stress, pile, bend, lift by the cable or put any stress on the film, for example moving by film face vacuum. In order to clean wring dry a cloth which has been emersed in a natural detergent.

DO NOT use any organic solvent, acid or alkali solution. Watch the edge of the panel when cleaning, again for safety reasons.

■ Detailed specifications

Complete specification document is available upon request.

■ Electrical: Touch Panels

Rated voltage	DC 5V
Switch bounce (chattering)	20ms maximum
Insulation resistance	10MΩ minimum

■ Environmental: Touch Panels

Operating temperature	-5°C to 60°C
Storage temperature	-30°C to 70°C
Operating humidity *1	20% to 90%
Storage humidity *1	10% to 90% RH

\*v: Maximum wet bulb temperature of 38°C

Contact

**Japan**  
 FUJITSU COMPONENT LIMITED  
 Shinagawa Seaside Park Tower  
 12-4, Higashi-shinagawa 4-chome,  
 Tokyo 140 0002, Japan  
 Tel: (81-3) 3450-1682  
 Email: fcl-contact@cs.fcl-components.com

**Europe**  
 FUJITSU COMPONENTS EUROPE B.V.  
 Diamantlaan 25  
 2132 WV Hoofddorp  
 Netherlands  
 Tel: (31-23) 5560910  
 Email: info.fceu@cs.fcl-components.com

**China**  
 FUJITSU ELECTRONIC COMPONENTS  
 (SHANGHAI) CO., LTD.  
 Room 4306, BM Intercontinental Business Center,  
 100 Yutong Rd, Shanghai 200070, China  
 Tel: (86 21) 3253 0998  
 Email: fcsh@fcl-components.com

**North and South America**  
 FUJITSU COMPONENTS AMERICA, INC.  
 350 Cobalt Way, M/s 160  
 Sunnyvale, CA 94085 U.S.A.  
 Tel: (1-408) 745-4900  
 Email: fcai.components@fcl-components.com

**Asia Pacific**  
 FUJITSU COMPONENTS ASIA, Ltd.  
 No. 20 Harbour Drive, #07-01B  
 Singapore 117612  
 Tel: (65) 6375-8560  
 Email: fcal@fcl-components.com

**Hong Kong**  
 FUJITSU COMPONENTS HONG KONG Co., Ltd.  
 Room 13, 23/F, Seapower Tower, Concordia Plaza,  
 No.1 Science Museum Road,  
 Tsim Sha Tsui East, Kowloon, Hong Kong  
 Tel: (852) 2881 8495  
 Email: fcsh@fcl-components.com

**Web:** www.fcl.fujitsu.com/en/

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