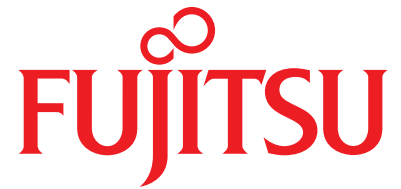


Feather Touch



4-wire resistive touch panel
designed for multi-touch
gesturing applications

**Enabling low-cost, high
reliability, easily integrated
alternatives to Projected
Capacitive Multi-Touch Panels**

- Standard 4-wire resistive touch panel structure, 4.3-inch to 22-inch panel size
- Special controller enabling 2-finger sensing (except automotive type)
- Optimized for gesture recognition, pinch, expand, rotate, flick, swipe (except automotive type)
- Ultra low input force: min. 0.02N
- Special top film technology provides user experience comparable to projected capacitive panels
- Film/Glass structures
- Touch window enables creative Industrial Design: flush surface, logo printing, special shapes supported
- Transparency 80% to 90%
- Anti-Newton Ring technology



shaping tomorrow with you

Feather-Touch Specifications

Operation force	Min. 0.02N (initial, measuring point: center of the touch panel)	
Surface hardness of film	Pencil hardness $\geq 3H$ 22-inch: more than 2H	JIS K-5400
Transparency	80% to 90%	JIS K 7105
Haze	6% typical (Custom range is 1% to 10%)	JIS K 7105 surface: anti-glare
Operation temperature	-5~60°C	
Operation humidity	20~90%RH	Maximum wet bulb temperature 38°C with no condensation
Storage temperature	-30~70°C	
Storage humidity	10~90%RH	Maximum wet bulb temperature 38°C with no condensation
Reliability	1 million finger inputs	Tapping at the same point by silicon rubber R8 hardness 60%

Feather-Touch Panel Sizes

NC01111-T161	3.8-inch	NC01111-T241	12.1-inch
NC01111-T181	4.3-inch	NC01111-T242	12.1-inch
NC01152-T101	7-inch wide	NC01111-T081	12.1-inch wide
NC01111-T202	8.4-inch	NC01111-T261	15-inch
FID-1154-401-A10	10.1-inch wide	NC01152-T021	15.3-inch wide
NC01111-T222	10.4-inch	NC01111-T281	17.1-inch
NC01111-T221	10.4-inch	FID-1111-381-A19	19-inch
NC01111-T222	10.4-inch	FID-1111-501-A22	22-inch wide

4-Wire Dual Touch Controller Board & MCU

FID-1850-120	USB controller board	
Operation temperature	-5~60°C	
Operation humidity	20~85%RH	Maximum wet bulb temperature 38°C with no condensation
Storage temperature	-30~70°C	
Storage humidity	20~85%RH	Maximum wet bulb temperature 38°C with no condensation
Size	60mm x 30mm	
FID-1860-005	USB controller MCU	
NC41120-0038	I2C controller MCU	

Contact

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