

FUJITSU Component Touch Panels

Feather Touch - Clean Life

Antibacterial & Antiviral

Overview

Fujitsu Components' 4-wires resistive touch panels with antibacterial and antiviral functionality reduce the growth of bacteria and the amount of viruses on panels' surfaces. This is achieved by either adding a coated film over the touch panel's surface, or using an ITO film coating with added functionality coated on the surface.

The panels are suitable for a variety of applications, such as medical, hospitality (POS terminals, food processing, restaurants), kiosks, or office equipment.

Reduces growth of bacteria and amount of viruses on panels' surfaces

Use of functional films which comply with ISO22196 (antibacterial) and ISO21702 (antiviral), suppress the growth rate of bacteria after 24 hours*1 below 1/100 compared to non-antibacterial functional films. Similarly, the amount of viruses is reduced by 1/100 when using panels with the new ITO functional film.

2 available structures

- (1) Adding an antibacterial film coat on the touch panel
 - (2) Using an antibacterial and antiviral ITO film on the surface.
- Please refer to figure 1 below.

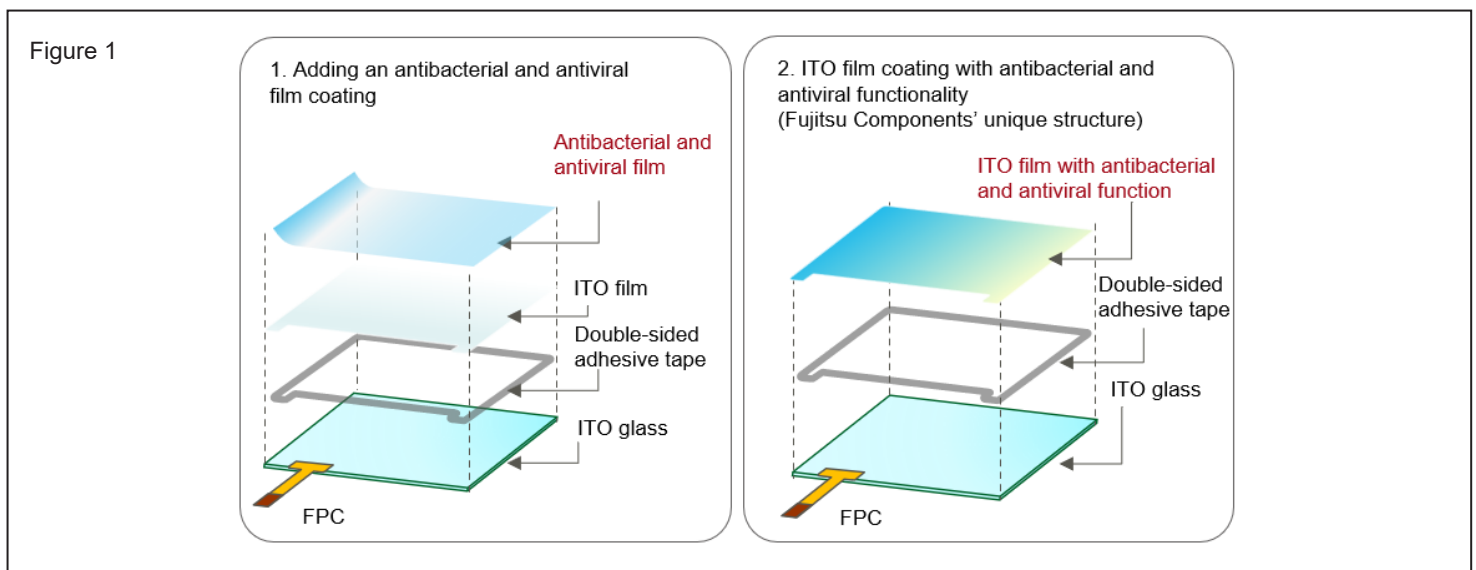
Option to add SIAA mark

For ITO film type panels you may display SIAA marks on your products.

Note *1: It does not kill or reduce the amount of bacteria/viruses.



■ Structure of Touch Panels



■ Specifications

Item	(1) RTP with antibacterial & antiviral film coat	(2) RTP with antibacterial and antiviral ITO film
Transparency	80% typical	
Surface	Anti-glare	
Input Force	0.05 to 1 N	0.02 to 1 N
Antimicrobial properties	2.0 or more	
Antiviral properties	2.0 or more	
Size	Please contact sales	up to 22-inches
Operating temperature	-5°C to +60°C, 20% RH to 90% RH	
Storage temperature	-30°C to +70°C, 20% RH to 90% RH	
SIAA certification (film)	Certified SIAA film	ISO22196: antibacterial: JP0123259X0001E certified ISO21702: antiviral: JP0613259X0001I certified

■ Anti-bacterial / Anti-virus Performance (ISO22196 / ISO21702 test results)

Type of bacteria/virus	Antimicrobial/antiviral properties	Results
Staphylococcus aureus	>3.0	Conformed
E. coli	>3.0	(Target antimicrobial properties: ≥2.0)
Non-enveloped virus	>3.0	Conformed
Enveloped virus	>3.0	(Target antiviral properties: ≥2.0)

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

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

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

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

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

Korea
FUJITSU COMPONENTS KOREA, LTD.
Alpha Tower #403,
645 Sampyeong-dong,
Bundang-gu, Seongnam-si,
Gyeonggi-do, 13524 Korea
Tel: (82 31) 708-7108
Email: fck@fcl-korea.co.kr

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