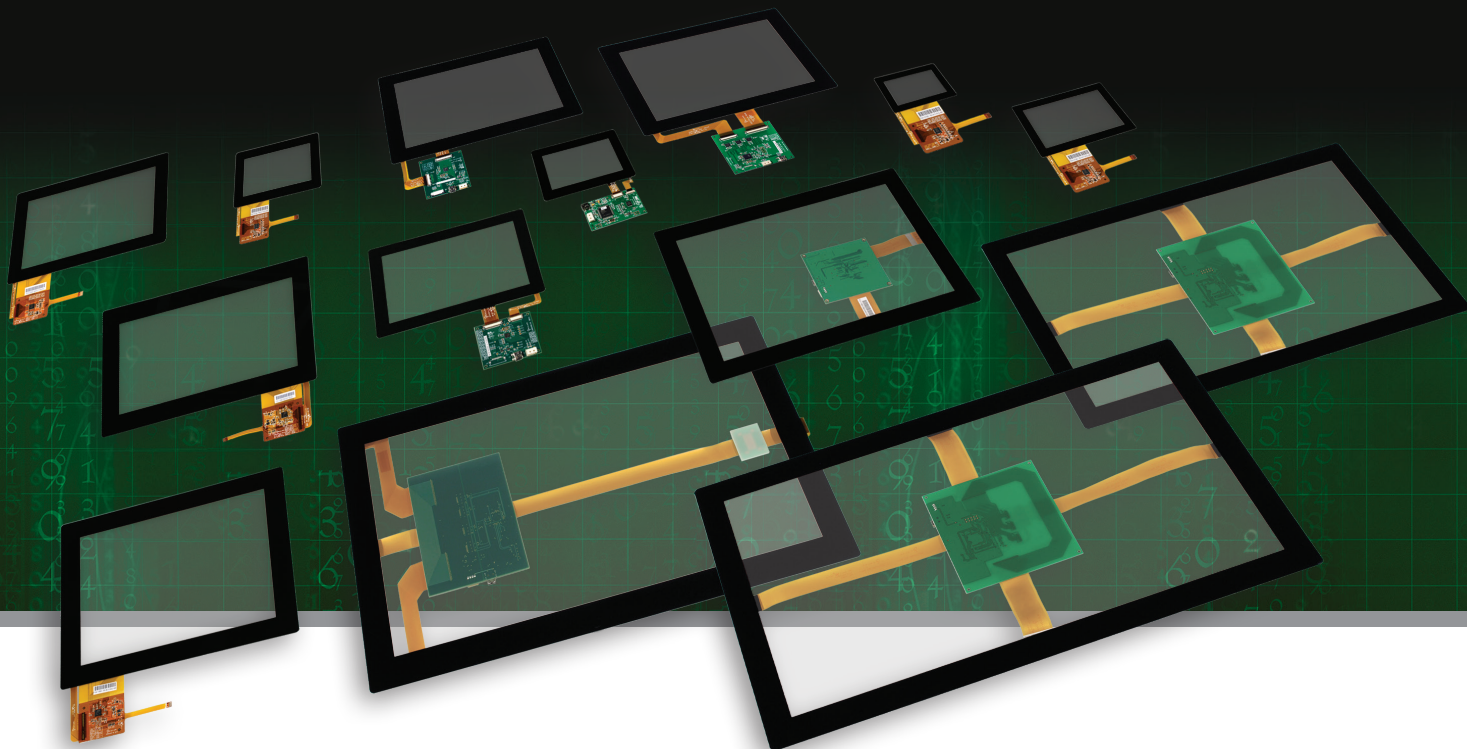




CRYSTAL TOUCH: TRUE MULTI-TOUCH^{plus}

PROJECTED CAPACITIVE TOUCH PANEL WITH OPTICALLY BONDED COVER GLASS



BENEFITS

Optically Bonded Cover Glass

- Soda-lime glass
- Increases durability and optical clarity

Application Ready

- Zero-Bezel design
- Easy installation

TRUE Multi-Touch Functionality

- Up to 16 simultaneous touch points

Automatic Gesture Recognition

- Single & 2-finger gesture recognition

Ultra-Rugged Touch Panel

- Stands up to abrasive cleaners
- Scratch resistant

Projected Capacitive Coupling

- Works with hands or stylus
- High resolution
- Fast sampling rate
- Auto calibration

All-Glass Construction

- Maximal optical clarity
- No deformations over time
- No deformations due to temperature

Providing all the benefits of Ocular's Crystal Touch projected capacitive touch technology, the Crystal Touch: TRUE Multi-Touch PLUS product line comes standard with an optically bonded soda-lime cover glass. Crystal Touch: TRUE Multi-Touch PLUS is an all-glass constructed touch sensor with the cover glass affixed to the panel and is tuned for cover glass use, allowing for optimum performance. The additional layer of glass adds durability and is ready to be incorporated into touch driven devices. Multiple layers of glass extends the lifespan of the device and the touch interface can withstand extreme environments, is scratch resistant and ensures a crystal clear image.



12700 Park Central Drive, Suite 750
Dallas, Texas 75251, USA
Tel: 469-398-1140

**Ocular is a leading supplier of touch panels
and cutting edge display products**

www.ocular-touch.com | contact@ocular-touch.com

Product descriptions and specifications are subject to change without notice.

CRYSTAL TOUCH: TRUE MULTI-TOUCH^{+plus}

PROJECTED CAPACITIVE TOUCH PANEL WITH OPTICALLY BONDED COVER GLASS

Ocular's Crystal Touch: TRUE Multi-Touch PLUS Projected Capacitive Touch Panels with Optically Bonded Cover Glass

Model Number	Diagonal Size	Aspect Ratio	Outline (mm)	Active Area (mm)	Cover Glass Thickness (mm)	Total Thickness (mm)	Voltage (V)	Chip On Flex (COF) or PCB	Controller	Interface	Simultaneous Touches
F035-0112S-195	3.5"	4:3	99 × 82	70 × 53	1.1	3.2	3.3	COF	mXT112S	I ² C	10
F043-00224-099	4.3"	16:9	124 × 83	95 × 54	1.1	3.2	5.0	PCB	mXT224	USB	10
F043-00224-199	4.3"	16:9	124 × 83	95 × 54	1.1	3.2	3.3	PCB	mXT224	I ² C	10
F043-0224S-195	4.3"	16:9	124 × 83	95 × 54	1.1	3.2	3.3	COF	mXT224S	I ² C	10
F057-0224S-195	5.7"	4:3	150 × 121	115 × 86	1.1	3.2	3.3	COF	mXT224S	I ² C	10
F070-0384E-099	7.0"	16:10	183 × 122	154 × 91	1.1	3.2	5.0	PCB	mXT384E	USB	16
F070-0384E-199	7.0"	16:10	183 × 122	154 × 91	1.1	3.2	3.3	PCB	mXT384E	I ² C	16
F070-0336S-195	7.0"	16:10	183 × 122	154 × 91	1.1	3.2	3.3	COF	mXT336S	I ² C	16
F101-0768E-099	10.1"	16:9	268 × 177	223 × 132	1.1	3.2	5.0	PCB	mXT768E	USB	16
F101-0768E-199	10.1"	16:9	268 × 177	223 × 132	1.1	3.2	3.3	PCB	mXT768E	I ² C	16
F101-1188S-195	10.1"	16:9	268 × 177	223 × 132	1.1	3.2	3.3	COF	mXT1188S	I ² C	16
F104-01386-099	10.4"	4:3	258 × 205	211 × 158	1.1	3.2	5.0	PCB	mXT1386	USB	16
F104-01386-199	10.4"	4:3	258 × 205	211 × 158	1.1	3.2	3.3	PCB	mXT1386	I ² C	16
F104-1188S-195	10.4"	4:3	258 × 205	211 × 158	1.1	3.2	3.3	COF	mXT1188S	I ² C	16
F121-1188S-099	12.1"	16:10	305 × 207	261 × 163	1.1	3.2	5.0	PCB	mXT1188S	USB	16
F121-1188S-199	12.1"	16:10	305 × 207	261 × 163	1.1	3.2	3.3	PCB	mXT1188S	I ² C	16
F156-01386-099	15.6"	16:9	384 × 236	344 × 194	1.1	3.2	5.0	PCB	mXT1386	USB	16
F156-01386-199	15.6"	16:9	384 × 236	344 × 194	1.1	3.2	3.3	PCB	mXT1386	I ² C	16
F170-1716E-099	17.0"	5:3	420 × 278	370 × 222	1.1	3.6	5.0	PCB	mXT1716E	USB	16
F170-1716E-199	17.0"	5:3	420 × 278	370 × 222	1.1	3.6	3.3	PCB	mXT1716E	I ² C	16
F185-1664S-099	18.5"	16:9	455 × 275	410 × 230	2.0	3.85	5.0	PCB	mXT1664S	USB	16
F185-1664S-199	18.5"	16:9	455 × 275	410 × 230	2.0	3.85	3.3	PCB	mXT1664S	I ² C	16

Crystal Touch: TRUE Multi-Touch PLUS Common Specifications

Resolution	4096 x 4096
Transmissivity	90%
Operating Temperature	-20°C to 80°C

Note: System level performance is determined by the overall system design and construction.

