



Touch Technology Comparison Chart

How do I know what technology is best for my application?

With all of the options in the market today, it is sometimes hard to know what is the best choice for your use, especially if you are new to implementing touch technologies. To help get you started, please use the table below to understand what each technology offers and the best technology for your application.



Supported	Good or N/A	Limited	Not Supported
XXXX	XXX	XX	○

Touch Technology	Projective Capacitive (PCAP)	Surface Acoustic Wave (SAW)	Resistive	Surface Capacitive	Infrared
Brand	TouchPro™ / PCAP	IntelliTouch™ powered by eSAW™ and SecureTouch™	AccuTouch™	SCAP	CarrollTouch™/IR
Elo Supported	Yes	Yes	Yes	No	Yes
Touch Attributes					
Number of Touches	Interactive Multi-touch 1-16	Transactional 1-2	Transactional 1	Transactional 1	Transactional 1 touch / Interactive 1-10 touch
Anti-Glare	XXXX	XXXX	XXXX	XXXX	XXXX
Zero Bezel	XXXX	XXXX	XXXX	○	○
Touch Input					
Finger	XXXX	XXXX	XXXX	XXXX	XXXX
Glove	XX	XXXX	XXXX	○	XXXX
Stylus	XX	XXXX	XXX	○	XXXX
Credit Card	○	○	XXX	○	XXX
Unintentional Touch Rejection	XXX	XXX	XXXX	XXXX	XXX
Operating System					
Apple OS	XXXX	XXXX	XXXX	XXXX	XXXX
Google Android	XXXX	XXXX	XXXX	XXXX	XXXX
Linux	XXXX	XXXX	XXXX	XXXX	XXXX
Windows XP	XXXX	XXXX	XXXX	XXXX	XXXX
Windows 7	XXXX	XXXX	XXXX	XXXX	XXXX
Windows 8	XXXX	XXXX	XXXX	XXXX	XXXX
Industry Applications					
Interactive Digital Signage	XXXX	XXXX	XXXX	XXX	XXXX
Gaming	XXXX	XXXX	XX	XXXX	XXX
Healthcare	XXXX	XXXX	XXXX	○	XXX
Hospitality	XXXX	XXXX	XXXX	XXXX	XXXX
Industrial Applications	XXXX	XX	XXXX	○	XXX
Retail	XXXX	XXXX	XXXX	XXXX	XXXX
Transportation	XXXX	XXXX	XX	XX	XXXX

Supported	Good or N/A	Limited	Not Supported
XXXX	XXX	XX	○

Touch Technology	Projective Capacitive (PCAP)	Surface Acoustic Wave (SAW)	Resistive	Surface Capacitive	Infrared
Brand	TouchPro™ / PCAP	IntelliTouch® powered by eSAW™ and SecureTouch®	AccuTouch®	SCAP	CarrollTouch®/IR
Elo Supported	Yes	Yes	Yes	No	Yes
Technical Highlights					
Response Time	XXXX	XXXX	XXXX	XXXX	XXXX
Touch Sensitivity	XXXX	XXXX	XXXX	XXXX	XXXX
Drag Sensitivity	XXXX	XXX	XXX	XXXX	XXXX
Resolution	XXXX	XXXX	XXXX	XXXX	XXXX
Accuracy	XXXX	XXXX	XXX	XX	XXX
Calibration Stability	XXXX	XXXX	XXXX	XXXX	XXXX
Touch and Hold	XXXX	XXXX	XXXX	XXXX	XXXX
Z-axis	XX	XXXX	○	○	○
Immunity to objects on screen	XXX	XXX	XXXX	XXX	XXX
Immunity to contaminants on screen	XXX	XX	XXXX	XXX	XXXX
Immunity to unintentional touch	XXX	XXXX	XXXX	XXXX	XXX
Immunity to EMI	XXX	XXXX	XXXX	XXX	XXXX
Immunity to high ambient light	XXXX	XXXX	XXXX	XXXX	XXX
Low Power	XXX	XXX	XXX	XXX	XXX
Low Emissions	XXXX	XXXX	XXXX	XXXX	XXXX
Temperature	XXXX	XXX	XXX	XXXX	XXXX
Humidity	XXXX	XXXX	XXX	XXXX	XXXX
Altitude	XXXX	XXXX	XXXX	XXXX	XXXX
Shock/Vibration	XXXX	XXXX	XXXX	XXXX	XXXX
Liquids	XXX	XX	XXXX	XXX	XXXX
Chemical Resistance	XXXX	XXXX	XXX	XX	XXXX
Cleaning with harsh solvents	XXXX	XXXX	XXX	XXX	XXX
Scratch Resistance	XXXX	XXXX	XX	XX	XXX
Breakage Resistance	XXX	XXX	XXX	XXX	XXX
UV light	XXXX	XXXX	XXX	XXXX	XXXX
Durability/Wear	XXXX	XXXX	XXX	XXX	XXXX
Integration	XXX	XXX	XXXX	XXXX	XX
Legacy support	XX	XXXX	XXXX	XX	XXXX
Development for non-core OS	XX	XXXX	XXXX	XXX	XXX

To find out more about our extensive range of Elo touch solutions, go to elotouch.com, or call the office nearest you.

North America

Tel +1 408 597 8000
 Fax +1 408 597 8050
customerservice@elotouch.com

Europe

Tel +32 (0)16 70 45 00
 Fax +32 (0)16 70 45 49
elosales@elotouch.com

Asia-Pacific

Tel +86 (21) 3329 1385
 Fax +86 (21) 3329 1400
www.elotouch.com.cn

Latin America

Tel 786-923-0251
 Fax 305-931-0124
www.elotouch.com