



Multi-User Surface Capacitive Touch Panel (SCAP) Controller

ESCAP7080

USB & RS232 Combo

Powered by EETI's unique design, ESCAP7080 supports up to 8 people to interact face-to-face in one single touch screen, it is the most interactive touch solution that goes with vast choices of available surface capacitive touch panels from the market.

Identified user ID help programmers to design more fun applications that requires user identification or cooperation. Reference designs including Restaurant menu ordering system, Help desk, e-Learning systems, Arcade game console or Casino game tables.

Benefits :

- ◆ Compatible with standard surface capacitive panels.
- ◆ Cost saving by supporting up to 8 users interaction in one single screen.
- ◆ Max 100 points/sec report rate when at 8 simultaneous touch inputs.
- ◆ Auto frequency control. (21KHz to 147KHz)
- ◆ Excellent noise immunity

Power Consumption	DC +5V External +5 to +12VDC unregulated power (max. 90mA, 50mVpp max ripple)
Operating Temperature	-40°C to +80°C
Storage Temperature	-40°C to +90°C
Relative Humidity	95% at 60°C, RH Non-condensing
Interface	USB : Full Speed (12Mbps) RS232 : 57600 bps, None parity 8 data bits, 1 stop bit (N81)
Resolution	2048 x 2048
Multi-Touch	Max. 8 Users (with single touch)
Report Rate	USB : 100 points / sec. for 8 users (Max.) RS232 : 160 points/ sec. (Max.)
Accuracy Tolerance	Max. +/- 1.0% tolerance
Response Time	Max. 25ms
Pin Definition	UL, UR, COM, LR, LL
Electro-Static Discharge (ESD)	Contact +/- 8KV, Air +/- 27KV
Green Product	RoHS Compliant
Regulatory Approvals	FCC-B, CE

