



## Surface Capacitive Touch Panel (SCAP) Controller

### ESCAP7000

### USB & RS232 Combo

EETI's new generation capacitive touch controller was created for application that demands a fast touch response and outstanding dragging performance. Enhanced noise immunity comes from ESCAP7000's revolutionary auto frequency control (AFC) algorithm that automatically selects a best working frequency against its environmental noises.

#### Benefits :

- ◆ High Accuracy.
- ◆ Excellent noise Immunity.
- ◆ Built-in voltage regulation circuit.
- ◆ Enhanced response speed.
- ◆ Enhanced ESD capability.
- ◆ Wide operating temperature range.
- ◆ Auto Frequency Control. (21KHz to 147KHz)
- ◆ USB & RS232 auto detection.

Power Consumption	DC +5V External +5 to +12VDC unregulated power (max. 65mA, typical 55mA, 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 : 9600 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 : 180 points / sec. (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

