SAW Touch Panel Specifications

	Parameter	Specification
1	Product	17” Surface Acoustic Wave Touch Panel
2	Model	A38-SAW150S2N6
3	Controller board	A58-WRSAWUSB
4	Technology	SAW
5	Active Area	309.4 x 234.7mm
6	View Area	312.5 x 236.5 mm
7	Out dimension	327 x 255 mm
8	Glass tickness	3 mm
9	Construction	Pure 3mm-thickness glass with transducers attached to the quasi transparent glass.
10	Light transmission	90 % (greater than 84%)
11	Chemical Resistance	The active area of the touch panel is resistant to the damage of chemicals which do not influence glass, such as acetone, toluene, methyl ethyl ketone, isopropyl alcohol, methyl alcohol, ethyl acetate, ammonia-based glass cleaners, gasoline, kerosene, vinegar.
12	Other resistance	Resistance to flame and cigarette; Having a waterproof sealing that ensures resistance to immersion without loss of functionality. The panel should have shock resistance to pointed/sharp objects
13	Touch active force	Less than 80 g
14	Positional accuracy	Less than 2 mm
15	Resolution	Based on controller board: 4096 x 4096
16	Touch Density	Greater than 15,500 touchpoint/cm2
17	Input Medium	Finger, or gloved hand (rubber, cloth or leather), or rubber stylus
18	Surface Durability	Optical glass surface, Mohs' hardness rating : 7
19	Life Performance	More than 50 million touches
20	Electrostatic Protection	EN61000-4-2,1995 : Level 4 (16 kV air / 8 kV contact discharges)
21	Operating Temperature	-20°C ~ 50°C
22	Operating Humidity	90% RH at 40°C (no dew falls)
23	Storage Temperature	-40°C ~ 70°C
24	Operating Altitude	10,000 feet (3048m)
25	Storage / Transport Altitude	50,000 feet (15,240m)
26	Interface	USB 1.1 or Serial RS-232
27	Supply Voltage	+5VDC (50mV peak to peak max ripple)
28	Regulatory / Approvals to the set (Panel + Controller board)	FCC, UL60950*, CE (FCC and UL are required/mandatories)

* UL60950 or IEC60950 (both of them are accepted)