

### SAW Touch Panel Specifications

	Parameter	Specification
1	Product	15" 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 <b>transparent</b> 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/cm <sup>2</sup>
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)	<b>FCC, UL60950*</b> , CE (FCC and UL are required/mandatories)

\* UL60950 or IEC60950 (both of them are accepted)

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### NWGQ2.E302085 Information Technology Equipment Including Electrical Business Equipment - Component

[Page Bottom](#)

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### Information Technology Equipment Including Electrical Business Equipment - Component

[See General Information for Information Technology Equipment Including Electrical Business Equipment - Component](#)

**ATOUCH TECHNOLOGIES CO LTD**

E302085

5TH FL-2, NO 77

HSIN TA WU RD SEC 1

HSI CHIH CITY, TAIPEI HSIEN 22101 TAIWAN

**Touch Screen**, Model(s) A38-XXXXXX (For Touch Sensor Screen), A58-XXXXXX (For Control Board) (X = Represents any alphanumeric character).

Marking: Company name and model designation.

[Last Updated](#) on 2006-01-17

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**FEDERAL COMMUNICATIONS COMMISSION**  
**DECLARATION OF CONFORMITY (DoC)**

For the following equipment:

Touch Panel

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( Product Name )

A38-SAW150S2N6 / ATOUCH

---

( Model Designation / Trade Name )

ATouch Technologies Co., Ltd.

---

( Manufacturer Name )

5F-2, No. 77, Sec. 1, Hsin-Ta-Wu Rd., Hsi-Chih City, Taipei Hsien 221, Taiwan, R.O.C.

---

( Manufacturer Address )

is herewith confirmed to comply with the requirements set out in ANSI C63.4 & FCC Part 15 Regulations.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE AND,
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

The following manufacturer / importer or authorized representative established within the EUT is responsible for this declaration:

ATouch Technologies Co., Ltd.

---

( Company Name )

5F-2, No. 77, Sec. 1, Hsin-Ta-Wu Rd., Hsi-Chih City, Taipei Hsien 221, Taiwan, R.O.C.

---

( Company Address )

Person responsible for making this declaration:

Eric Cheng

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( Name, Surname )

General Manger

---

( Position / Title )

Taipei, Taiwan

Dec.18, 2012

*Eric Cheng*

---

( Place )

( Date )

( Legal Signature )



## EC-Declaration of Conformity

For the following equipment:

Touch Panel

( Product Name )

A38-SAW150S2N6 / ATOUCH

( Model Designation / Trade Name )

ATouch Technologies Co., Ltd.

( Manufacturer Name )

5F-2, No. 77, Sec. 1, Hsin-Ta-Wu Rd., Hsi-Chih City, Taipei Hsien 221, Taiwan, R.O.C.

( Manufacturer Address )

is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive (89/336/EEC, Amended by 92/31/EEC, 93/68/EEC & 98/13/EC), For the evaluation regarding the Electromagnetic Compatibility (89/336/EEC, Amended by 92/31/EEC, 93/68/EEC & 98/13/EC), the following standards are applied:

EN 55022: 1998

EN 55024: 1998

IEC 61000-4-2: 1995 + A2: 2000; IEC 61000-4-3: 1995 + A2: 2000;

IEC 61000-4-4: 1995 + A1: 2000; IEC 61000-4-6: 1996 + A1: 2000;

EN 60950-1: 2001;

The following manufacturer / importer or authorized representative established within the EUT is responsible for this declaration:

ATouch Technologies Co., Ltd.

( Company Name )

5F-2, No. 77, Sec. 1, Hsin-Ta-Wu Rd., Hsi-Chih City, Taipei Hsien 221, Taiwan, R.O.C.

( Company Address )

Person responsible for making this declaration:

Eric Cheng

( Name, Surname )

General Manager

( Position / Title )

Taipei, Taiwan

Dec.18, 2012

*Eric Cheng*

( Place )

( Date )

( Legal Signature )