

■ Specifications

Touch Panel		Capacitive Touch Screen	
Screen Resolution	1024 x 1024 pixel		
Accuracy	Less than $\pm 1\%$ error		
Conversion Speed	Upto 200 touch points per second at 19.2K baud		
Initial Touch Down Speed	8-15 milliseconds		
Optical Clarity	85% light transmission at 500nm		
Faceplate Surface	Polished or anti-glare etch versions available		
Electrode Durability	Fused into glass, will not be damaged during installation		
Operating Temperature	-15°C to 70°C		
Storage Temperature	-62°C to 85°C		
Relative Humidity	0-95% RH, non-condensing		
Electrostatic Protection	± 20 KV air and ± 8 KV contact discharge to screen		
FCC Compliance	FCC Class A complaint		
Added Spec. for TOUGH TOUCH	Resistance	Impact-resistant: UL544 Clause 55.2 Impact test	
		Chemical resistant: ASTM-D-1308-87 (1993) ASTM-D-1598-95	
	Surface durability	Exceed severe abrasion test per MIL-C-675C	
	NEMA rating	NEMA sealable	

■ Size

Flat Type for LCD (* tough touch available)				
Model No.	Display Size	Frame Size (W x Hmm)	Active Area (W x Hmm)	Radius (mm)
13-4401-02	9.4" LCD	173.99 x 231.14	156.72 x 213.87	FLAT
13-441x-01	10.4" LCD	180.34 x 233.68	164.85 x 218.19	FLAT
13-443x-01	12.1" LCD	189.99 x 167.97	171.45 x 249.43	FLAT
13-446x-01	* 15.0" LCD	256.54 x 332.74	232.66 x 308.86	FLAT
13-509x-01	* 15.1" LCD	261.87 x 340.11	235.97 x 307.59	FLAT
13-400x-01	16.1" LCD	284.48 x 375.92	261.62 x 351.28	FLAT
13-503x-01	18.1" LCD	327.66 x 402.59	288.80 x 356.87	FLAT
13-485x-01	20.1" LCD	307.08 x 459.99	341.12 x 431.04	FLAT
83-4061-01	15.1" Tough Touch Panel	330.19 x 254	307.32 x 231.13	FLAT
Curve type for CRT (* tough touch available)				
Model No.	Display Size (in color)	Frame Size (W x Hmm)	Active Area (W x Hmm)	Radius (mm)
13-096x-01	10" CRT	173.99 x 214.38	156.46 x 197.10	434.34
13-1321-01	14" CRT	237.24 x 310.13	219.2 x 290.83	574.04
13-1401-01	15" FST CRT	247.65 x 317.50	225.30 x 295.15	1168.40
13-1611-01	17" FST CRT	277.37 x 359.92	255.02 x 337.57	1270.00
13-1931-01	20" CRT	335.28 x 436.88	296.42 x 403.35	825.50
13-2021-01	21" FST CRT	347.98 x 441.96	320.04 x 414.02	1524.00

■ Controller

P/N 14-78	SMT3 serial controller, programmable CMOS Surface Mount Controller, bi-directional RS-232C serial communication for internal & external usage
P/N 14-701-02	SMT3 serial controller
MT-Excalibur	Compatible with SMT3 serial controller, but with wide input voltage range from 5V-24V