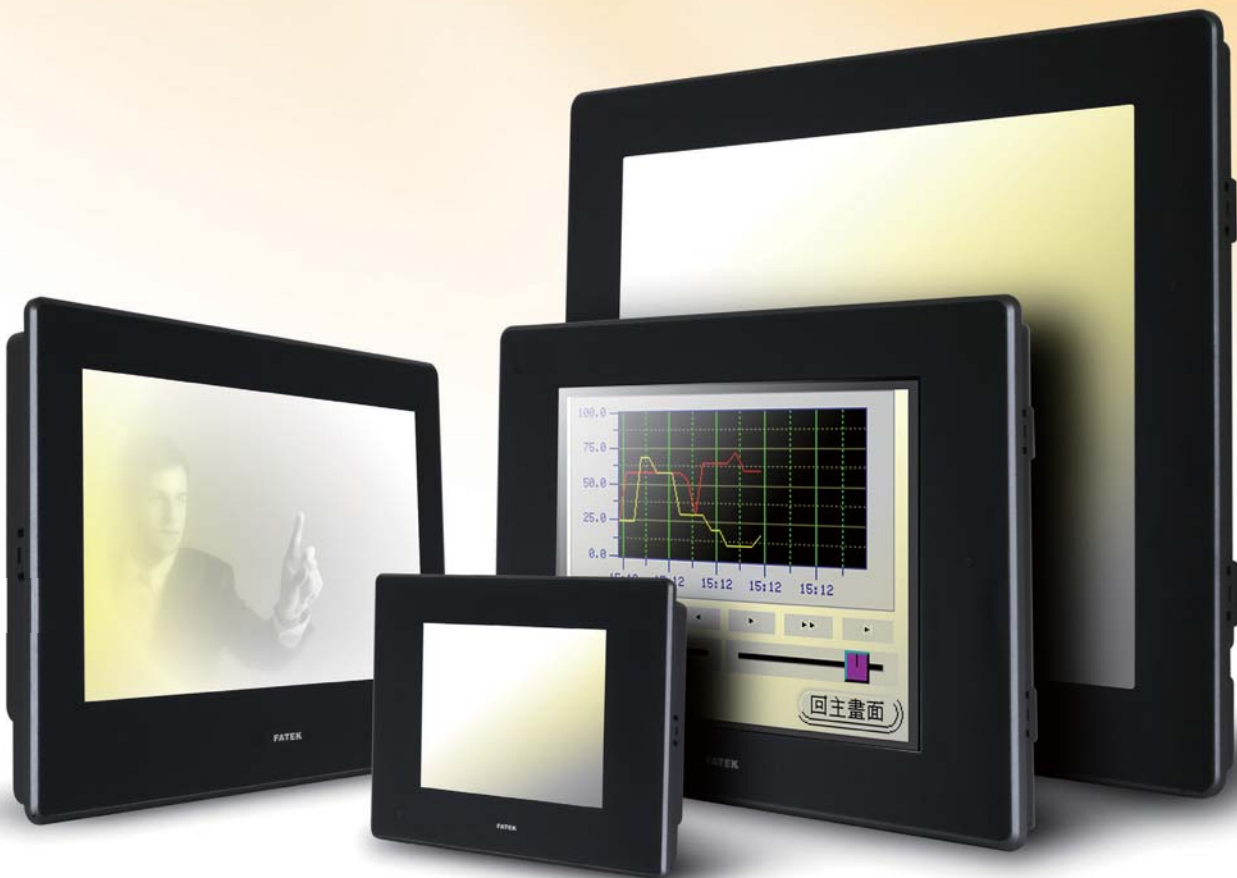


HMI

Human Machine Interface



Product Overview



Spec.		Items	FT-043ST-T21 FT-043NT-T21	FT-056ST-T11 FT-056MT-T11	FT-070ST-T41 FT-070NT-T41	FT-080ST-T51 FT-080NT-T51	FT-100ST-T61 FT-100NT-T61	FT-104ST-T51 FT-104NT-T51
Display	Size		4.3" (16:9)	5.6" (4:3)	7.0" (16:9)	8.0" (4:3)	10.1" (16:9)	10.4" (4:3)
	Resolution (Pixel)		480 x 272	320 x 234	800 x 480	800 x 600	1024 x 600	800 x 600
	Type		TFT color touch panel			TFT color touch panel		
	Colors		64K colors			64K colors		
	Backlight		LED			LED		
	Backlight Lift Time		20,000 hours			20,000 hours		
	Brightness (cd/m ²)		400	200	300	350	250	400
Operation			Touch panel, 4-wire analog resistance, 1 million activation minimal, hardness/4H			Touch panel, 4-wire analog resistance, 1 million activation minimal, hardness/4H		
CPU			RISC 32 bit SOC/2D IGP accelerator			RISC 32 bit SOC/2D IGP accelerator		
Application Flash Memory			8 MB (User Memory: 5.5MB)			8 MB (User Memory: 5.5MB)		
Battery Backed Memory			128 KB (1MB optional)			128 KB (1MB optional)		
System Working Memory			32 MB		64 MB		64 MB	
Port	Built-in NAND Flash		ST: none; MT.NT: 128MB			ST: none; MT.NT: 128MB		
	Micro SD Slot		ST: none ; MT.NT: Yes			ST: none; MT.NT: yes		
	USB Port		1 host ; 1 client			1 host ; 1 client		
	Serial Port		COM1: RS232/422/485; COM2: standard RS232/485 (optional --- A: RS422/485, C: RS232 contains RTS and CTS); COM3: RS232 (built-in Pin7, Pin8 of COM1 Port)			COM1: RS232/422/485; COM2: standard RS232/485 (optional --- A: RS422/485, C: RS232 contains RTS and CTS); COM3: RS232 (built-in Pin7, Pin8 of COM1 Port)		
	CANBus Port (optional)		ST.MT: none ; NT: yes (10/100M)			ST: none ; NT: yes (10/100M)		
	Ethernet Port		ST.MT: none ; NT: yes			ST.MT : none ; NT: yes		
	Audio Output		none	optional (Year 2012)		optional	optional	optional
Functional Key (optional)			none	6 (optional)		optional	optional	optional
Power	Input Power		24VDC±10%			24VDC±10%		
	Power Consumption		13W	15W	20W	18W	20W	
Environment	Operating Temperature		0°C ~ 50°C (32°F ~ 120°F)			0°C~50°C (32°F ~ 120°F)		
	Relative Humidity		10% ~ 90%RH, 0°C~50°C, non-condensing			10% ~ 90%RH, 0°C~50°C, non-condensing		
	Shock(operation)		10~55Hz (X,Y,Z direction, 1G, 30 min.)			10~55Hz (X,Y,Z direction, 1G, 30Min)		
	EMI		Complies with FCC Part15 Class A			Complies with FCC Part 15 Class A		
	CE		EN61000-6-2, EN61000-6-4			EN61000-6-2, EN61000-6-4		
	Front Panel		Meets NEMA4/IP66			Meets NEMA4/IP66		
	Cooling		Natural cooling			Natural cooling		
Dimensions	Outlet (WxHxD; mm)		130.0 x 106.2 x 39.0	Standard: 188.0 x 143.3 x 35 ; W: 203.5 x 148.5 x 35		231.6 x 174.6 x 42.5	270.1 x 212.1 x 42.5	270.1 x 212.1 x 42.5
	Cutout (WxH; mm)		119 x 93	Standard: 175 X 132.5 ; W: 191.5 x 138		221 x 164	259.5 x 201.5	259.5 x 201.5
	Net Weight		0.35 kg	0.59 kg	0.6 kg	0.93 kg	1.25 kg	1.2 kg

1
FT-



1
HMI Series
FT : FT Standard

2
LCD Size
043 : 4.3" 104 : 10.4"
056 : 5.6" 070 : 7"
080 : 8" 100 : 10"

3
Communication Port
S : Serial Port
N : LAN Port
M : Micro SD

4
Control Interface
T : Touch
K : Key

5
LCD Type
C : Color STN
T : TFT

6
LCD Resolution
0 : 160 x 80
1 : 320 x 240 / 320 x 234
2 : 480 x 272
3 : 640 x 480
4 : 800 x 480
5 : 800 x 600
6 : 1024 x 600
7 : 1024 x 768

7
Battery Backup Memory
0 : 0KB
1 : 128KB+RTC
2 : 256KB+RTC