

**FATEK**<sup>®</sup> The Brand You Can Rely on

Since 1992

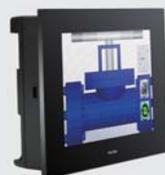
# HMI

Human Machine Interface



# FATEK® HMI

## Product Overview



Model		FV-035ST-C10	FV-057NT-T31
LED Size		3.5"	5.7"
Display Type		STN-LCD color	TFT-LCD color
Display Color		256 colors	65536 colors
Backlight		LED backlight	
Resolution		320 x 240 pixels	640 x 480 pixels
Contrast Adjustment		16 brightness adjustable (by touch screen setting)	32 brightness adjustable (by touch screen setting)
Language		Multilanguage/Unicode support	
Memory	FLASH Memory (NOR Flash)	2M Bytes	8M Bytes
	FLASH Memory (NAND Flash)	—	128M Bytes
	RAM	512K Bytes	64M Bytes
	Battery Backup Memory	—	128K Bytes
RTC		—	Built-in
Touch Panel	Type	4-wire analog resistance	
Interface	Serial Comm. Port (COM1)	DB9F: RS232/RS422/RS485	
	Serial Comm. Port (COM2)	Terminal 5-pin: RS422/RS485	
	Ethernet Port	No	Yes (10/100M)
	USB	No	USB 2.0x1 (master), USB 2.0x1 (slave)
	I/O Expansion Port	No	*Can add HB1-10/14M ◇ 25-D24S with analog and communication expansion modules (optional)
	Memory Port	Micro SD Card	
Power Supply		DC24V±10%	
Power Consumption		Max. 10W	
Environment	Operating Temperature	0°C~50°C	
	Storage Temperature	-20°C~+60°C	
	Operating Humidity	10%RH~90%RH (non-dewing, below 39°C)	
	Storage Humidity	10%RH~90%RH (non-dewing, below 39°C)	
	Waterproof Front	Meets NEMA4/IP65	
	Withstand Voltage	AC500V/20mA/1 Min. (between charger & FG terminals)	
	Insulation	DC500V 10MΩ minimum (between charger & FG terminals)	
	Vibration	10 to 55Hz (1G, for 30 minutes along the 3 axes)	
	Noise Suppression	1000Vp-p, width 1μs, rising time 1 ns	
	Static Electricity Immunity	6KV (EN61000-4-2 level III)	
Grounding Resistance		Below 100Ω	
Dimension (W x H x D ; mm)		119.0 x 99.0 x 42.0	160.0 x 128.0 x 42.1
Cutout Dimension (W x H ; mm)		109.5 x 89.5	150.0 x 118.0
Weight		0.26 kg	0.445 kg
*Note		◇ : <b>R</b> — Relay output; <b>T</b> — Transistor SINK(NPN) output; <b>J</b> — Transistor SOURCE(PNP) output	

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