

**Industrial
Computing**

FP Series Rugged 17", 19", 21" Flat Panel Monitors



The large 17", 19", 21" flat panel monitors from Industrial Computing are designed to meet a range of industrial, rugged environment, and military requirements. Our monitors are currently in use by major industrial, signal processing, field service, transportation, all branches of the armed forces, and other users who have specific requirements that we are prepared to meet.

As an OEM supplier, Industrial Computing is prepared to design and build to specifications to meet the most exacting requirements, whether they call for high-bright, daylight viewable, Mil-Spec shock and vibration qualified, EMI shielded, high temperature, special housings, or simply a specific industrial requirement. We pride ourselves on being responsive and cost effective in a full range of applications.

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Rugged 17", 19", 21" Flat Panel Monitors

Model	FP-AM17SX	FP-AM19SX	FP-AM21SX
Description	17" PANEL / RACK	19" PANEL / RACK	21" PANEL / RACK
Panel	TFT LCD	TFT LCD	TFT LCD
NEMA 4	YES	YES	YES
Mil-Spec	Option	Option	Option
Diagonal	17" (43cm)	19" (48cm)	21.3" (54cm)
Display Area h x w	338 x 270 mm	376 x 301 mm	432 x 324 mm
Response Time	5 msec	5 msec	20 msec
Contrast Ratio	600 : 1 typical	700 : 1 typical	500 : 1 typical
Brightness	300 nits typical	300 nits typical	280 nits typical
Viewing Angle	H: 140°, V: 130° Right / Left 70° Top / Bottom 67°/63°	H: 150°, V: 135° Right / Left 75° Top / Bottom 75°/60°	H: 170°, V: 170° Right / Left 85° Top / Bottom 85°
Display Color	16.2 million	16.77 million	16.77 million
Pixel Pitch	.26mm	.29mm	.27mm
Horizontal Sync	30 - 80 KHz	24 - 80KHz	31 - 82 KHz
Vertical Sync	50 - 75 Hz	55 - 75 Hz	50 - 85 Hz
Bandwidth	135 MHz	135 MHz	162 MHz
Max Resolution	1280 x 1024 (1.3 mega pixels)	1280 x 1024 (1.3 mega pixels)	1600 x 1200 (1.9 mega pixels)
Input Connector	DVI-D, D-Sub mini 15	DVI-D, D-Sub mini 15	2 x DVI-I S-Video Optional
Input Sync Signal	Separate	Composite, Separate, Sync on Green	Composite, Separate, Sync on Green (NTSC, PAL & SECAM with optional Video adaptor)
USB Hub	NO	NO	YES
Controls	OSD	OSD	OSD
Safety	TÜV GS, FCC-B, UL C-UL, CE, VCCI-B	CE, TÜV GS, FCC-B UL/C-UL, VCCI-B	CE, TÜV GS, FCC-B, UL/C-UL, VCCI-B
Power Supply	100-240 VAC 50/60 Hz	100-240 VAC 50/60 Hz	100-240 VAC 50/60 Hz
Power Consumption	35 W max	40 W max	70 W max
Power Management	VESA DPMS, ENERGY STAR®	VESA DPMS, ENERGY STAR®	VESA DPMS, ENERGY STAR®
Panel / Rack	15lbs / 15lbs	25lbs / 25lbs	30lbs / 30 lbs
Dim: w x h x d Panel	18.25" x 15.375" x 2.25"	19" x 16" x 3.5"	19" x 16" x 3.5"
Dim: w x h x d Rack	19" x 14" x 2.25"	19" x 16" x 3.5"	19" x 16" x 3.5"
Optional Touch Screen	YES	YES	YES