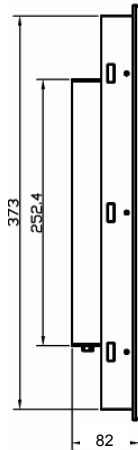
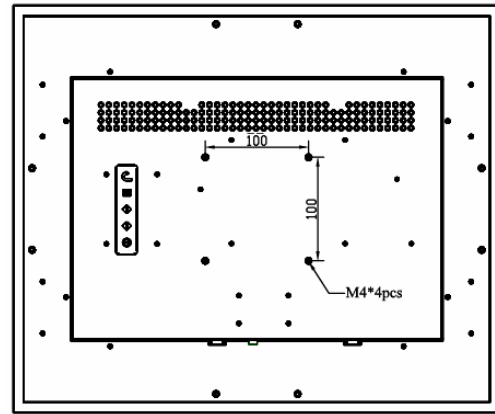


Front View



Side View



Rear View



Bottom View

LCD Screen

Manufacturer	SAMSUNG
LCD Origin	South Korea
LCD Type	Samsung grade A industrial TFT LCD Panel
Display Size	19.0 inch diagonal (376.32H x 301.06V)
Resolution	1,280 x 1,024, SXGA
Display Color	16.7M
Brightness	800 cd/m ²
Contrast Ratio	700 : 1 (Typical)
Pixel Pitch	0.294 x 0.294 mm
Viewing Angle	75 / 75 / 75 / 60 (L / R / U / D)
OSD Control	Brightness, Contrast, Phase & Clock, Color, H & V position, Auto-tune & Recall
VGA Connector	D-Sub 15 pin VGA analog
Video Input	S-Video and Composite (Optional)
LCD MTBF	50,000 hrs
Mounting	Panel, wall-mount or VESA arm
Dimension	456(W) x 380(H) x 82(D) mm
Weight	6.5 kg (Net) / 8.5 kg (Gross)
Packing	630(L) x 550(W) x 110(H) mm

Touch Screen

Type	Resistive	Surface Wave
Thickness	2mm	3mm
Light transmission	82%	90%
Controller Interface	Serial / USB	Serial / USB
Durability	35 Million	50 Million
OS Support	Windows XP, 2000, NT, 98, DOS and Linux	

External Power Adapter

AC Input	110V ~ 220V AC Input
DC Input	12V@5A Output
AC Cable Length	180cm
DC Cable Length	182cm
Adapter Size	108(L) x 64(W) x 30(H) mm
Safety Approval	UL, CE

Environmental

Operating Temperature	0 to 50°C
Storage Temperature	-25 to 65°C
Humidity	90%, non condensing
Shock	50G peak acceleration (11ms,since wave)
Vibration	10~300Hz/1.5G (10min/cycle)
Safety Approval	CE, FCC

Ordering Information

Model	Description
HAP-19	19" Aluminum Front panel
HAP19-TRS	19" Al. FP w/ Res. touch screen (Serial)
HAP19-TRB	19" Al. FP w/ Res. touch screen (USB)
HAP19-TWS	19" Al. FP w/ Wave touch screen (Serial)
HAP19-TWB	19" Al. FP w/ Wave touch screen (USB)
HAP-19AV	19" Aluminum Front panel w/ Video Input
HAP19AV-TRS	19" Al. FP w/ Video, & Res. touch screen (Serial)
HAP19AV-TRB	19" Al. FP w/ Video, & Res. touch screen (USB)
HAP19AV-TWS	19" Al. FP w/ Video, & Wave touch screen (Serial)
HAP19AV-TWB	19" Al. FP w/ Video, & Wave touch screen (USB)

