

Smartpanels specifications



Model	HMI 450	HMI 730	HMI 750	HMI 1050	HMI 1550
Display					
Size	4.3"	7"	7"	10"	15"
Resolution (W x H in pixels)	480 x 272	800 x 480	800 x 480	1024 x 768	1024 x 768
Display type	TFT wide touch screen	TFT wide touch screen	TFT wide touch screen	TFT touch screen	TFT touch screen
Colors	65,536	65,536	65,536	65,536	65,536
Touch screen Type	Resistive analog	Resistive analog	Resistive analog	Resistive analog	Resistive analog
Active Display Area (W x H mm)	95 x 54	152 x 91	152 x 91	203 x 152	304 x 228
Display position	Both horizontal & vertical	Both horizontal & vertical	Both horizontal & vertical	Both horizontal & vertical	Both horizontal & vertical
MTBF backlight at 25°C	30,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs
Backlight	LED	LED	LED	LED	CCFL
Brightness Adjustment	Yes	Yes	Yes	Yes	Yes
Screen Saver	Yes	Yes	Yes	Yes	Yes
Language Fonts	Unicode including Simplified and Traditional Chinese, Japanese & Korean				
Main Hardware					
Processor, CPU speed	ARM Cortex-A8 667Mhz	ARM Cortex-A8 667Mhz	ARM Cortex-A8 1Ghz	ARM Cortex-A8, 1Ghz	ARM Cortex-A8, 1Ghz
Flash Memory (ROM)	128 MB	128 MB	128 MB	128 MB	128 MB
SDRAM (RAM)	256 MB	256 MB	256 MB	256 MB	256 MB
Operation System	WinCE 6.0®	WinCE 6.0®	WinCE 6.0®	WinCE 6.0®	WinCE 6.0®
Real Time Clock	Yes	Yes	Yes	Yes	Yes
Buzzer	Yes	Yes	Yes	Yes	Yes
Sound input + output, 3DI+3DO	N.A.	N.A.	Option	Option	Option
SD card slot	Option	Option	Yes	Yes	Yes
Interfaces					
RS232C, DB9 Male	1	1	1	1	1
RS232C/ RS422/ RS485, DB25 Female	1	1	1	1	1
Ethernet 10/100 Mbps, RJ45	Option	Option	1	2	2
USB Host	1	1	1	1	1
Other Networks (all slaves except MPI)					
MPI / Profibus-DP, ProfiNet	Option	N.A.	Option	Option	Option
DeviceNet, EtherNet/IP	Option	N.A.	Option	Option	Option
CANopen, EtherCAT	Option	N.A.	Option	Option	Option
BACnet/IP, CC-Link	Option	N.A.	Option	Option	Option
General Specifications					
Power Supply	11-36VDC	11-36VDC, 90-250VAC	11-36VDC, 90-250VAC	11-36VDC, 90-250VAC	11-36VDC, 90-250VAC
Consumption (w/o sound output)	10W	12W	13W	15 W	27 W
Power on LED indicator	Yes	Yes	Yes	Yes	Yes
Outer dimensions (W x H x D mm)	140 x 116 x 57	212 x 156 x 57	212 x 156 x 57	325 x 263 x 56	400 x 310 x 56
Mounting depth (mm)	51	51	51	50	50
Panel cutout (W x H mm)	123 ⁺¹ x 99 ⁺¹	197 ⁺¹ x 141 ⁺¹	197 ⁺¹ x 141 ⁺¹	310 ⁺¹ x 248 ⁺¹	367 ⁺¹ x 289 ⁺¹
Protection	IP65 front, IP20 rear	IP65 front, IP20 rear	IP65 front, IP20 rear	IP65 front, IP20 rear	IP65 front, IP20 rear
Front bezel, housing	plastic, plastic	plastic, plastic	Aluminum, plastic	Aluminum, metal	Aluminum, metal
Stainless Steel front bezel (option)	N.A.	N.A.	Option, IP66K	Option, IP66K	Option, IP66K
Installation	Panel Mount	Panel Mount	Panel Mount	Panel Mount	Panel Mount
Net Weight (Kgs)	0.5	1.2	1.4	3.6	5.1

Operating temperature	0°C to 50°C
Storage temperature	-20°C to 60°C
Humidity	10% to 90 % RH
Vibration resistance	9 to 150 Hz, 9.8 m/s ² , X,Y & Z directions 10 times (100 min.)
Operating Shock resistance	15g at 11 msec
Altitude	2000 Meters
Safety standards	CE cULus RoHS