

PM7P and PM10P

Industrial Panel PCs



- Touch screen, panel mounted industrial PCs with Windows 7 and CalexSoft 2 multi-channel software
- Resistive touch screen can be used with gloves on
- USB and RS485 ports for connection to infrared temperature sensors
- Access temperature data via Ethernet or RS232, or save it to a USB drive via the front USB port
- Built-in UPS automatically saves data and shuts down the operating system if power is lost
- Robust solid-state hard drive
- Fanless design with aluminium housing for effective heat dissipation

The PM7P and PM10P panel PCs are ideal for use with systems of multiple infrared temperature sensors. They are supplied pre-installed with CalexSoft 2 multi-channel software.

General specifications	PM7P	PM10P
Power supply	24 V DC \pm 10%	
Consumption	Approx. 12W	18 W
Display	7" 800x600 resistive touch screen, LED backlight	10.4" 800x600 resistive touch screen; LED backlight
Operating conditions	Temperature 5-50°C, humidity 10-90% RH (non condensing)	
Frontal panel	6mm aluminium alloy, milled	
Weight	Approx. 2 kg	Approx. 3 kg
Sealing	Front panel: IP65, enclosure and terminal blocks: IP20	
Cooling	Fanless	
UPS	Integrated, assisted shut-down	
Hardware features	PM7P	PM10P
CPU	Intel® Celeron® J1900 Quad Core @2.0GHz, 2MB Cache	
RAM	2GB DDR3 SDRAM	
Hard Disk	SATA Solid State Disk (SSD) 2,5" 24h/24h Anti shock 32GB	SATA Solid State Disk (SSD) 2,5" 24h/24h Anti shock 64 GB
Ethernet	1 x LAN 10/100 Base-TX Ethernet RJ-45 interface	2 x LAN 10/100/1000 Base-TX Ethernet RJ-45 interface
Serial Interfaces	1 x RS232, 1 x RS485 Optoisolated from power supply	1 X RS232, 1 X RS485 Optoisolated from power supply
USB ports	1 Front + 2 Rear, USB 2.0	
Audio	1 Mono 1W Out or 1 Stereo 500 Ohm Out	1 Stereo Output 600 Ohm
Clock	Real-Time clock, Back-up battery	
Software features	PM7P	PM10P
Operating system	Windows® 7 Embedded	
Software provided	CalexSoft 2 multi-channel software for Calex infrared temperature sensors, with: Data logging to Excel compatible file Remote communications with other CalexSoft 2 terminals via Modbus TCP (over Ethernet) Sensor connectivity via RS485 and USB Fully customisable temperature displays and graphs	

Dimensions (mm)					
Model	L	H	W	L (cut out)	H (cut out)
TD750	204	160	34	181	145
TD850-A	325	260	26	302	242

Ordering	
PM7P	7" panel PC with CalexSoft 2
PM10P	10.6" panel PC with CalexSoft 2

Sensors available separately – contact Calex