

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 uninterruptible power supply (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 connection to Calex digital infrared temperature sensors. They are supplied with the free CalexSoft 2 multi-channel software for temperature display and configuration.

General specifications	PM7P	PM10P
Display	7" 800x600 resistive touch screen, LED backlight	10.4" 800x600 resistive touch screen; LED backlight
Supply voltage	24 V DC ±10%	
Power consumption	Approx. 12W	Approx. 18 W
Operating conditions	Temperature 5°C to 50°C, humidity 10% to 90% RH (non condensing)	
Front panel	6 mm 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 @2.0 GHz, 2 MB Cache	
RAM	2GB DDR3 SDRAM	
Hard disk	32 GB SATA Solid State Disk (SSD) 2.5" 24h/24h anti-shock	64 GB SATA Solid State Disk (SSD) 2.5" 24h/24h anti-shock
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 output, or 1 stereo 500 ohm output	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

* CalexSoft 2 software is provided free of charge. Calex products, including Panel PCs installed with CalexSoft 2, are not for use as safety devices i.e. they must not be relied upon to ensure the safe operation of machinery.