

# PM05TA3S-D1-4RT

**5.7" color TFT, 640 x 480, TI DM3730 ARM Cortex-A8  
Compact HMI Thin Client with Preinstalled Windows  
Embedded CE 6.0 Professional**



## Introduction

The AIS 5.7 compact web-based and ARM-based HMI solutions are one of the most versatile operator interface choices for visualization applications. The AIS operator terminals are ideal for applications that require monitoring, controlling and displaying information in dynamic ways, where operators must quickly understand machine status and make better decisions. These HMI compact thin clients are ideally designed for use in process and discrete manufacturing, industrial automation and process control applications.

## Specifications

Display	
Display	5.7"
Aspect Ratio	640 x 480
Viewing Angle	140 (H); 100 (V)
Colors	262,144 (6bits/color)
Brightness (Typical)	700 nits
Contact Ratio	300:1
Touch screen Type	Resistive analog
Display Type	TFT wide touch screen
System Hardware	
Processor, CPU speed	TI Cortex A8 1.0GHz
Flash Memory (ROM)	256 MB
SDRAM (RAM)	512 MB
Operation System	Windows Embedded CE 6.0 Professional
SD card slot	Yes (internal)

## Features and Benefits

- Flexible, reliable, and ruggedized touch screen terminals for open platform HMI
- Web and Windows CE-based with integrated CPU, RAM, storage, USB, RS232, RS422/485 and LAN ports
- Compact web-based thin clients for faster, better and lower-cost HMI applications
- Ruggedized levels of NEMA 12, 4X, 4, IP52, IP54, IP66 ratings
- Technical support for drivers, hardware, troubleshooting procedures and general system issues
- Customer service and sales support for product selection, order management, and warranty status

Interfaces	
RS232	1
RS232/ RS422/ RS485	1
Ethernet 10/100 Mbps, RJ45	1
WLAN	1 (optional feature)
Bluetooth	1 (optional feature)
USB Host	2
General	
Power Supply	24VDC
Consumption	7 W
Protection	IP54 front, IP20 rear
Temperature	Operating: -20°C to 60°C (-4°F to 144°F) Storage: -20°C to 60°C (-4°F to 140°F)
Approvals	
Approvals	CE, FCC (DOC)

## Order Information

**PM05TA3S-D1-4RT:** 5.7" TI DM3730 ARM Cortex-A8 Compact HMI Thin Client with Preinstalled Windows Embedded CE 6.0 Professional, 640 x 480, Contact ratio: 300:1

Unit: mm

