



# TAC OP1500

Touch Panel Display

C-98-10

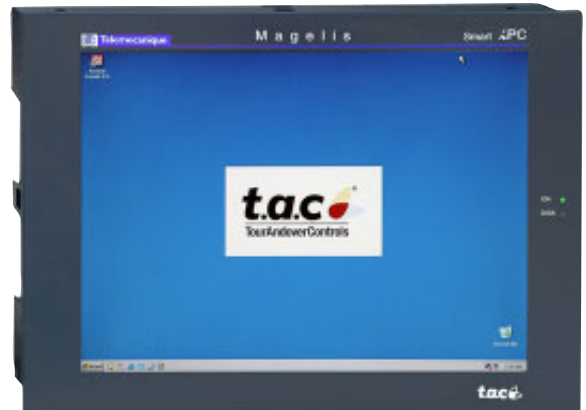
18 Feb 2005

The TAC OP1500 is a rugged PC designed for industrial applications. It is built around an IP65 front panel with a 15" color TFT LCD screen and a high-definition analog touch panel.

The TAC OP1500 is used as a web client for TAC Vista Webstation, TAC Xenta 511, or other information systems.

It is compact and easy to install and setup. No software installation is required. Once connected it is ready to run.

For user convenience, the browser start page and/or favorites can easily be configured to suit the current installation.



## TECHNICAL DATA

Supply voltage ..... 24 V DC (19.2 – 28.8 V DC)  
Power consumption ..... max. 80 W  
Transformer sizing ..... 80 VA

### Ambient temperature:

Storage ..... -10 to 60 °C (14 to 140 °F)  
Operation ..... 0 to 45 °C (32 to 113 °F)  
Humidity ..... max. 85% RH non-condensing

### Mechanical:

Enclosure ..... Hardened steel  
Enclosure rating, front panel ..... IP 65  
Dimensions ..... see diagram  
Weight ..... 6.0 kg (13.2 lbs)

### Built-in I/O ports:

Ethernet TCP/IP ..... RJ45 10BASE-T/100BASE-TX link

### Expansion slots:

PCMCIA cards .... 2 slots (1 type III or 2 type I or II cards)

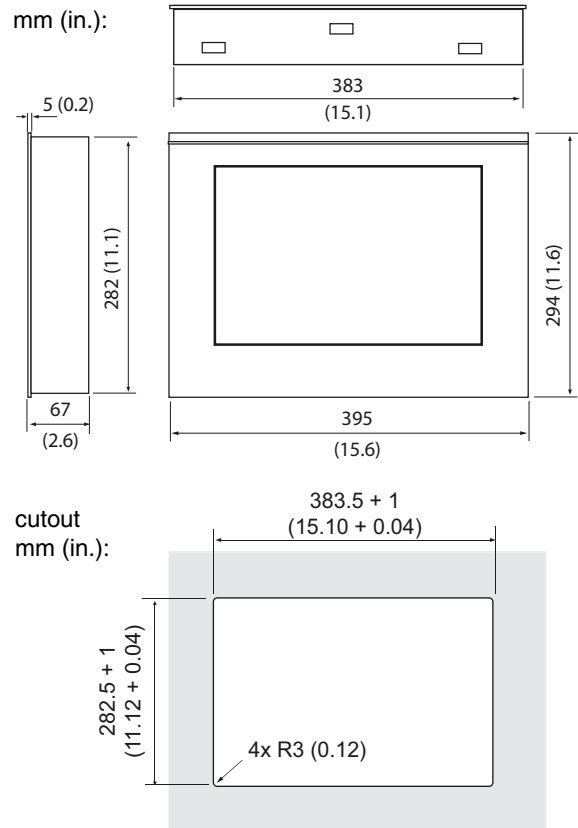
### Agency Compliances:

Emission ..... C-Tick;  
.. EN55011 (group1, classA), EN61000-3-2, EN61000-3-3  
Immunity ..... IEC61131-2, EN61000-6-2, FCC(classA)

Safety ..... CSA, IEC61131-2

### Part number:

TAC OP1500 incl. Power Supply ..... 0-073-0924  
Power Supply 24 VDC, 3A ..... 0-073-0925



## DESIGN

The pre-installed MS Internet Explorer web browser and the Ethernet 10/100 Mbps port, make the TAC OP1500 the ideal web client for both the TAC Vista Webstation and TAC Xenta 511.

The TAC OP1500 is delivered ready-to-use and provides:

- Easy display of Web pages, either locally or remotely.
- Built-in reader software for .pdf, .doc, .xls, and .ppt documents.

Built around the VIA 667 MHz processor with 256 MB RAM, the TAC OP1500 is based on standard Windows XPe (embedded) technologies and includes the following software components:

- JVM (Java Virtual Machine).
- Windows Terminal Services Client for client/server architectures.
- A virtual keyboard (English only) for alphanumeric input.

The slim TAC OP1500 (just 67 mm deep) has a particularly rugged construction. It is powered by a 24 V AC/DC adapter (included).

WindowsXPe and its component software tools are pre-loaded onto a ready-to-use Compact Flash memory.

## PANEL AND CONNECTORS

### Front Panel

The front panel with touch screen on the TAC OP1500 comprises:

- A 15" color TFT (Thin Film Transistor; active-matrix) XGA LCD screen (maximum display area 1024x768 points) with high-definition analog touch panel.
- An aluminum alloy front panel with IP65 membrane (mounted on a hardened steel frame).
- Two LEDs labeled:  
ON (green), PC switched on.  
DISK (green), accessing IDE bus (accessing Compact Flash memory, etc.).

### Bottom and left side

All expansion slots and connection elements are accessible from the rear of the PC, with the following elements located on bottom and left side:

- Removable screw terminals for connecting the 24 V DC power supply.
- Access to the Compact Flash memory card containing the operating system and installed software.
- 25-pin female SUB-D connector marked PRINTER for bi-directional parallel link.
- Two 9-pin male SUB-D connectors marked COM1 and COM2 for RS232 serial link.
- Two USB1.1 connectors.
- Mini-DIN PS/2 connector for connecting the external keyboard. (Software adapted for English keyboard only).
- RJ45 connector for Ethernet 10/100 Mbps link.
- Slot for 2 additional PCMCIA cards.

## MOUNTING

On panel or cabinet door (8 fixing bolts supplied).

## MAINTENANCE

Use a soft cloth moistened with a neutral detergent to wipe away any dust or stains on the panel surface.

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