

# ● TERMINAL-T



## The separated operating and visualizing unit – touchscreen –

Operation, observation, visualizing, controlling:  
Being particularly tailored to the concerns of automation technology, the industrial computer family IPC of MSC Tuttlingen covers all industrial requirements.

The industrial IPC computers of the new generation are based on a common concept:

- identical constructive design
- the same front panel/display units
- single-board computer

IPCs may be configured purposefully for their

respective application in accordance with the principle of modular organization.

TERMINAL is the user-friendly human-machine interface for particularly flexible solutions in decentralized PC/display architectures.

In applications where computer and input/output stations are used in separate locations TERMINAL covers the demands on a purely operating and visualizing unit.

Being equipped with the respective interfaces, it may be connected to all remote AT computers.



## Characteristics

- Seamlessly sealed front panel protects reliably against ingress of dust, dirt and spray water:
  - touchscreen (resistive-analogue) is integrated in display section
  - specific customized design (option)
- Stainless steel front panel (option)
- Protection class IP 65 at front side, IP 20 rear side
- Display, TFT color:
  - 12.1" screen diagonal, SVGA (800 x 600)
  - 15.0" screen diagonal, XGA (1024 x 768)
  - 18.1" screen diagonal, SXGA (1280 x 1024)
- Mechanically stable, robust system-unit cover made of galvanized sheet-steel – can be installed in all racks, cabinets, desks and swivel frames.
- Connections to the AT computer:
  - Repeater interface (PS/2 keyboard, PS/2 mouse, COM)  
Note: COM used by touch controller
  - VGA connector
- Interfaces connecting the peripheral:
  - PS/2 keyboard connection
  - PS/2 mouse connection
- Further features:
  - Extending function if resolution of the host computer is smaller
  - Auto-adjust for position, pixel frequency, phase
  - On-screen-menu via 5 push-buttons or external standard keyboard
- Test certificate: CE and UL

## Technical Data

- Supply voltage .....24 VDC (18...36 VDC)
- Power consumption .....60 W max.  
.....(depending on configuration)
- Mechanical dimensions [W x H x D, in mm]  
(Technical drawings are separately available as a supplement)
- Touchscreen 12.1"
    - front panel .....374 x 282 x 5
    - chassis .....334 x 246 x 81
  - Touchscreen 15.0"
    - front panel [19"/8U].....482.6 x 354.8 x 5
    - chassis .....440 x 318.8 x 81
  - Touchscreen 18.1"
    - front panel [19"/9U].....482.6 x 399.2 x 5
    - chassis .....440 x 361.2 x 91
- Weight
- TERMINAL-T/12,1 .....c. 4.8 kg
  - TERMINAL-T/15,0 .....c. 7.1 kg
  - TERMINAL-T/18,1 .....c. 8.9 kg
- Ambient temperature  
(in operation) .....+5 °C to +45 °C
- Oscillating load acc. to DIN IEC 68-2-6  
(in operation):
- 10 Hz to 58 Hz .....0.075 mm
  - 58 Hz to 150 Hz .....10 m/s<sup>2</sup>
- Shock load acc. to DIN IEC 68-2-27  
(in operation): .....10 g, 11 ms, 3 shocks
- EMC testing:
- interference emission acc. to ..... EN 55011/55022,  
..... limit value class A
  - interference resistance acc. to ..... DIN IEC  
..... 61000-6-2:1999

## Connection cable sets

Cable set	Length	Article no.
TERMINAL – BASIC	3 m	62 06 020
TERMINAL – BASIC	7 m	62 06 021
TERMINAL – BASIC	15 m	62 06 022
TERMINAL – BASIC	25 m	62 06 016
TERMINAL – Standard-PC, PS/2	3 m	62 06 025
TERMINAL – Standard-PC, PS/2 incl. Repeater	7 m	62 06 029
TERMINAL – Standard-PC, PS/2 incl. Repeater	15 m	62 06 030
TERMINAL – Standard-PC, PS/2 incl. Repeater	25 m	62 06 031
TERMINAL – Standard-PC, PS/2 incl. Repeater *	35 m	62 06 032

Cable lengths differing from that upon request !

\* Only for resolutions with 640 x 480 pixel!

Designation:	Front panel 12.1	Front panel 15.0	Front panel 18.1	Touchscreen 12.1	Touchscreen 15.0	Touchscreen 18.1
TERMINAL...						
-T/12,1	x			x		
-T/15,0		x			x	
-T/18,1			x			x

© Copyright MSC Tuttlingen GmbH,  
Tuttlingen, 2004

Subject to change without notice.  
Issue 2.07