

RT2500

ergonomical, ruggedized, powerful

with common terminal emulations pre-installed

Linux or Windows[®] operating system

3 different display sizes

2.4GHz at 802.11b/g

2 x USB-interfaces

2 x RS232 – interfaces

Integrated power supply 8 – 80V

Function keys

Ethernet connection

External keyboard (optional)

Internal heating (optional)



The RT2500 family of ruggedized wireless terminals for vehicles was developed especially for the challenging usage with fork lifters and rack storage devices. The extreme robust metal housing and the internal mechanical construction withstand all possible stress factors caused by the industrial environment (vibration, dust, humidity, power spikes).

The active matrix TFT color display is available in three sizes (8, 10, and 12 inch) and can visualize even complex applications with all necessary color attributes in a clear and brilliant way.

The RT2500 has the option to connect a ruggedized keyboard or the possibility to connect PC keyboards. Furthermore, two RS232 ports (e.g. bar code scanner, portable printer) and two USB-ports (e.g. camera, signature pad, RFID reader) are available. Ethernet connection, a 4-Bit Digital-I/O port and an external antenna port are integrated as well to allow direct and easy connectivity. All ports and interfaces are integrated in the base version and are fully supported by the terminal emulation applications.



RT2500

Wireless connection

The integration of the RT2500 in a wireless infrastructure is a quick and easy operation. With the 2.4 GHz 802.11b/g based direct sequence technology with the encryption standards WEP 40/128, WPA-PSK and WPA2 every thing necessary is on board. The terminal can be either operated with the integrated terminal applications or in client-server mode.

Memory

According to the ruggedized environmental requirements, the RT2500 has a built-in 512/1024 MB Compact Flash card as a solid state disk with up to 1GB RAM.

Operating system

The Linux operating system and the terminal emulation application for TN5250 und VT220 are pre-installed. Furthermore, browser based access of server bases applications is possible. The RT2500 is available as well with Windows[®] operating system



RT2500 specifications

Dimensions (without mount):

RT2508, 8,4 inch H 224 mm; B 236 mm; T 64 mm
RT2510, 10,4 inch H 250 mm; B 260 mm; T 73 mm
RT2512, 12,1 inch H 250 mm; B 300 mm; T 73 mm

Weight (without mount): :

RT2508, 8,4 inch , ca. 3000 g
RT2510, 10,4 inch , ca. 3200 g
RT2512, 12,1 inch , ca. 3500 g

Environmental conditions:

Operation temperature: -10° up to +50° C
(optional with Heating): -30° up to +50° C
Storage: -30° up to +70° C
Humidity: 10 % up to 80 %
at +25° C non condensing
Class 5M3 / EN 60721-3-5 1998 for land vehicles
1,5 hours of bump impact of 3 g and 300 bumps with 30g peak power
Water protection according to IP 54 (optional IP 64)
Quality "made in Germany": build according to CE, RoHS and ISO 9001

Power Supply:

8-80 VDV DC decoupled, ca. 35 VA
Optional integrated UPS for approx. 15 minutes

Processor:

Embedded Intel Celeron M, 600 MHz or 1GHz optional (no active cooling)

Memory:

256 MB RAM, 512 MB and 1GB optional

System drive:

Flash disk 512 MB, 1GB optional

Display:

RT2508 8,4 SVGA, 450cd/m²
RT2510 10,4 SVGA, 350cd/m²
RT2512 12,1 SVGA, 450cd/m²

Touch screen

resistive, scratch proof, no mirror effects

Keyboard

Keyboard on Screen (scalable)
Function keys
M&N external keyboard (optional)
PC keyboard (optional)

Wireless

WLAN: 802.11b/g with WEP 40/128 Bit, WPA-PSK, WPA2

Software:

MNRT-TN5250, MNRT-VT220 under Linux as direct IP or with Session Hold with M&N Wireless HUB MNWH0001 (optional)

Operating systems:

LINUX, Windows[®] (optional)

Interfaces:

2 x RS232 / 9 pol. D-SUB connector
(with 5 VDC or 12 VDC on Pin9 for reading devices)
2 x USB (V 2.0) / 9 pol. D-SUB connector
1 x Keyboard / 9 pol. D-SUB connector
1 x Digital I/O 4 BIT / 9 pol. D-SUB connector
1 x Ethernet 10/100 Mbps / Ethernet connector

Accessories (optional):

Special reading devices, custom mounting solutions,
PC keyboards, external signature pad (USB)
USB color camera for fork lifter operation



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