



TERMOD⁴

The right time, All in good time...



PYRESCOM'S EXPERIENCE AND EXPERTISE

Pyrescom centered on its core business, being conception, manufacturing, and marketing industrial terminals and time and attendance machines..

While developing or integrating all types of acquisition techniques (RFID, Magnetic, Barcode, Homologated Biometry, Hand morphology, ...) and exercising a technological forecasting on new approaches (network as much as acquisition), Pyres.com offers a follow-up and overtake available technologies on the market.



TERMOD⁴ COMPLETION

The whole engineering office of PYRES.COM concentrated in order to give the new TERMOD an optimization geared towards time attendance in an elegant design, while conserving reliability and ease of use from the product which built its reputation.

FUNCTIONAL

- User guidance for attendance registration and work time recording.
- Data consultation (in/out times, vacations, ...)
- Data input (Missions, Holidays, Events, ...)
- Enhanced interactivity in phase with current deployments through means of SAAS, Cloud



RELIABLE

- Fast and easy setup, pre-configuration done at the factory
- Secured operation, without power or connection.
- Ascending compatibility over existing fleet

MODERN

- Color graphic screen, Touchscreen option
- Picture library to customise your logos, buttons, ...
- Modern and ergonomic design



DISPLAY/MULTIMEDIA

- Color graphic screen (64K)
- Base : 4"3 (Text : 12 x40, Graphical : 480 x 272)
- Customisation : pictures, logos, icons
- 3 Visual indicators (battery, reading, network) on the front panel
- Multi-tone buzzer
- **OPTION** : 5"7 Touchscreen (Graphical 640 x 480)

INPUT UNITS

- Contactless reader (RFID 13,56 Mhz MIFARE, DESFIRE, NFC, 125 KHz, HID...)
- Barcode reader, Magnetic reader, Approved Biometry
- Proprietary badge reader using ISO2 and Wiegand protocols
- 17 Keys keyboard : 5 function keys + Keypad

CLOCK

- Backed up Time & date
- Time difference configured from different Timezones
- Automatic time update (From server or NTP network service)

COMMUNICATION

- Ethernet 100/10Mbps port (Speed and duplex auto negotiation) RJ-45 connection (100BASE-T/10BASE-TX)

OPTION : WIFI, POE, GPRS

- 2 serial ports RS232/RS485. (STN/ISDN/GPRS Modem extensions)
- 1 « RSACQ » Field bus in order to drive a full network of peripherals (external readers, access control, 4 I/O modules to drive counters and relays,...)
- 1 Extension reader port (Handheld wired and wireless barcode readers)
- 1 USB « Host » port (storage, IRDA, serial extensions, ...)

OPTION : 1 USB « OTG » Port

CORE

- ARM Processor
- System (flash) Memory : 256 MB Work (DRAM) Memory : 64 MB
- Saved files memory : 50 MB
- Memory dedicated for pictures and icons : 6 MB
- OPTION** : MicroSD Memory extension up to 16GB

SYSTEM

- Operating system: Embedded Linux
- No royalty, GPL License
- Network protocols: TCP, UDP, DHCP, HTTP, FTP, SMTP, POP, NTP, PPP, SSL, SNMP ...
- Compatible with IPv6, DNS
- Administration and configuration secured through any client computer
- Security : PROXY / VLAN / VPN / FIREWALL / DMZ

SETUP/PROGRAMMATION

- Time and attendance scenarios programmed in high level language sent and memorised in the Termod.
- Multitask executions triggered by different events (Power outage, badge reading, network answer, function key, network outage)
- Structured file exchanges with client/server multiplatform communication tools (Windows, Unix, Linux, AS/400,...)
- Setup and diagnosis via a Web interface, custom tools, physically on the terminal (Pinging a remote address,...)
- Factory setup following client specifications (IP, Gateway, URL,...)

CONNECTIONS

- Direct connection on webservers, technical functions library.
- Compatible with Cloud offers, mutualised and dedicated.
- Connections to the main software packages and databases in the market (Oracle, SQL, HR-ACCESS, SAP)
- ODBC Interface, HTTPS (ASP / PHP / JavaScript) interface
- Custom interface (API / JAVA / XML, Etc.)
- Standard connection with Pyrescom tools, ascending compatibility with existing fleets

EXTERNAL ENVIRONMENT

- Integrated power supply 100-240 Volts / 50-60 Hz

OPTION : POE (Power over Ethernet 802.3af)

- Battery autonomy : 4 Hours
- Power usage : 20 VA max (Typical 4VA)
- Operating temperatures : 0°C ~ 40°C
- CE Compliant (directive 89/336/CEE : EN55022 EN55024 EN61000-4) - IEC 60950-1



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