aitronic

Wall Mounting

4 Keys

Flash Memory

Real Time Clock

Barcode Reader

RFID Reader/Writer

LAN, WLAN,
GPRS or
DECT Radio

2 programmable
Relais Outputs

Universal Terminal

LT-300

LT-300

Universal terminal for wall mounting.
Data capture via barcode scanner or RFID reader.
Operation via 4 soft keys.
Data transmission via LAN, WLAN, GPRS or DECT radio.
Variable equipment allow a wide range of applications.

Universal and powerful data capture in diverse areas such as

- Operating Data Acquisition
- Time & Attendance
- Alarm Reporting Systems

Specifications

Display	Graphic LCD, 128 x 64 Pixel, illuminated
Keyboard	4 keys
Program Memory	384 kByte for operating system and application
Data Memory	1 MB Flash, 155 kByte RAM
Interfaces	LAN, RS-232, 2 programmable relay outputs
Power Supply	external power supply device, 12V/2A
Barcode Scanner	**CCD Optic**: Wave length 617 nm, resolution down to 0.1 mm, barcode width up to 18 cm at 0.3 mm density, reading distance Code 39: from 8,5 to 22 cm at density 0.1 mm, from 8 to 90 cm at density 1 mm, reading distance UPC/EAN: 5.5 to 37.5 cm at density 0.33 mm, reading distance PDF417: 13 to 18 cm at density 0.25 mm, Laser Protection Class CDRH/IEC Klasse II
RFID Reader (optional)	**Working frequeny 125/134 kHz** (Hitag1, Hitag2, EM Marin H400x and MCRF 200/123 of different designs and types) or **Working frequeny 13,56 MHz** (ISO 14443 A/B; ISO 15693)
WLAN Module (optional)	Data transmission via WLAN as E-Mail attachement or via FTP
GPRS Module (optional)	Transmission of data on mobile / Internet as SMS, E-mail attachment or via FTP
DECT Radio Module (optional)	Transmitter/Receiver frequency 1800 to 1900 MHz, transmitting power: 10 mW, Transmission range in open space ~ 300 m, in buildings ~ 50m, European approval
Dimensions / Weight	160 x 90 x 50 mm / 350 g
Environmental Conditions	Operating temperature -20 to 50°C (without DECT radio modulel), 5 to 50°C (with DECT radio module), relative humidity 5 to 95%, not condensing
Accessories	Wall Mount

GPRS Technology

With a device equipped with a GPRS module, you can transmit captured data from each location of the world which is supplied by a mobile network

- to any FTP Server,
- via any e-mail account to any e-mail address,
- to any SMS address
- or to a webservice.

The only requirement for it is to equip the device with a SIM card for a mobile radio pay scale with internet option. Following settings can be made according to the client specification when building a client specific GPRS application and may be altered in the GPRS setup afterwards:

General Settings
- PIN/SIM Card
- GPRS Access Point Name
- User Name
- Password
- Transmission Mode (FTP, Mail or SMS)

FTP specific Settings
- FTP Server
- User Name
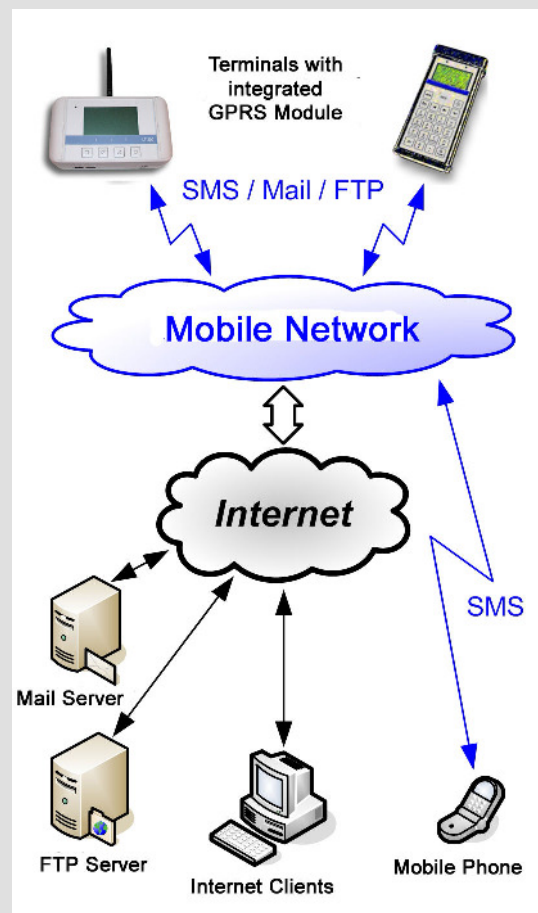- Password

SMS specific Settings
- SMS Service Center
- SMS Receiver

Mail specific Settings
- Mail Server Adresse
- Mail Server Port
- Sender Mail Address
- Sender Password
- Mail Subject
- Receiver Mail Address

Webservice specific Settings
- Webservice Server Address
- Webservice Server Port

The transmission of the data requires only pressing a key.

A SMS is transmitted via the mobile network to the mobile phone number supplied in the setup.

A FTP file or an e-mail will be stored on the supplied FTP respectively mail server an may be accessed from a FTP respectively mail client.