Radio Modem Supercom 636

Application

The radio modem Supercom 636 is a mobile bidirectional data readout system. Supercom 636 is suitable for a connection to a Pocket PC (PDA) with Bluetooth interface. The Pocket PC (PDA) needs a software program, the Sontex916 to visualize readout data in a window.

Functions

- Readout of all data stored in the radio devices (heat meter, heat cost allocator, radio modules, etc.)
- Configuration of parameters in the radio devices, like date, time, medium, amount of values to be read etc.

Type

Radio modem Supercom 636

Main features

- Independent way to read different kind of radio devices
- Cheaper as GSM or phone network data readout system.
- Optimal properties for reception - and sending power.
- Compatible to all Sontex products (Supercom radio devices)
- Upgrades with new Sontex Supercom radio products guaranteed
- Connector for power supply directly to a computer or 230VAC or 12VDC.
- Best quality and reliability.
- Small and compact design.
- Industrial sturdy and shock resistant housing.
- Hand free using the integrated belt clip.

Execution

The radio modem consists of a SMD board equipped with a radio card 433MHz and an external antenna. The sturdy industrial housing protects the electronics against shocks and damages. The radio modem is connected through a Bluetooth interface to a hand terminal (PDA). The hand terminal allows visualizing the read out data and save them in a road file. This road file can be transferred to a computer. Converted to Excel the data are prepared for the billing service.

The data from the radio modem Supercom 636 can also be easily integrated into professional billing software. Detailed manuals for software engineers are available from Sontex.

Combination of units

As hardware we can recommend the following pocket PCs:
- Hewlett Packard IPAQ 114 or IPAQ 214.
- PSION Workabout Pro G2 – Model S or C.

The system requirements for pocket PCs (PDAs) are:
- Pocket Windows Mobile 2003 second edition / Windows Mobile 5.0 / 6.x and Bluetooth interface.
- USB 2.0

Further combinations with industry Pocket PC / PDAs / Smart Phones running on Windows Mobile 5.0 / 6.x with Bluetooth might also work with the software Sontex916 but are not supported by Sontex

Sontex ▪ Thermal Energy ▪ Flow Metering ▪

Supercom

Technical Data

General
Operating temperature	5° to 55°C
Storage temperature	-10 to 55°C (dry environment)
Weight	0.180 Kg

Housing
Protection class	IP 65

Dimensions
Housing dimensions	69x122x25 mm
Antenna dimension	142 mm

Interface communication
Supercom 636 and Pocket Pc	Bluetooth
Supercom 636 and Computer	Bluetooth or USB

Bluetooth communication
CE Compliance	EN 300 328
Operating Class	Class 2
Transmit Output Power	max. +3 dBm
Range warranty	10 m

Radio communication
Communication	Bi-directional
Modulation	FSK
Frequency	433.82 MHz
Radio Protocol	Radian 0
Data transmission	EN 6w0870-5 (M-Bus)
PER	10 mW
Range on free field	ca. 300 m
Range in buildings	approx. 30 m*

* Values depend on the structure of buildings
 Due to physical conditions, the transmission and reception ranges can vary (Influence of
 temperature, humidity, atmospheric pressure

Electronic Data
Current supply	3.6 VDC (3 accumulators 1.2V AAA Ni-Mh)
USB Charger	230 VAC and 12 VDC

Note

The housing of the radio modem Supercom 636 is protected against unauthorized intervention. Only authorized persons may open the housing. Warranty is void in case of unauthorized access inside the radio modem.

Sontex ▪ Thermal Energy ▪ Flow Metering ▪   **Supercom**

Scope of delivery

Technical Support
For technical support contact your local Sontex agent or Sontex SA directly.

Hotline Sontex:
sontex@sontex.ch
+41 32 488 30 04

CE **Declaration of conformity acc. to R&TTE 1999/5/CE**

The detailed certificate of conformity can be found on our homepage: www.sontex.ch

Technical modifications subject to change without notice
Data Sheet Supercom 636 Sontex916 EN 120210.doc

© Sontex SA 2008