2N® SmartCom PRO

2N® SmartCom PRO is a full-featured M2M solution developed for managing wireless terminal equipment and remote systems. Their secure management is ensured via protocol-independent data transmission in the GPRS/UMTS/LTE network. Naturally enough there is also the remote control of integrated switching elements, the reading of input values or the automatic charging of an external backup battery.

Office buildings	Business centres
Residential complexes	Public buildings
State administration	Remote monitoring of critical
Remote supervision of smart buildings	applications
	Transport and monitoring
Schools and campuses	systems

Multi-utility data concentrator
Obtain an easy and effective way to collect data from various energy meter and other devices.

Industry stundards support
Take advantage of a wide variety of applications, from data collection through data processing to remote control. All thanks to having support for a wide range of industry standards.

Solution modularity
2N® SmartCom PRO is modular in design.
You can tailor the product exactly to your need.

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FEATURES & BENEFITS

Autonomous data reading
By means of this function the data are stored onto internal memory and available at any time. You needn't worry about downtime or loss of connection.

Programmable functions
Based on the current status of 2N® SmartCom PRO inputs you can invoke trigger output actions, thereby allowing elementary remote management of Connected devices.

Plug & play
Reduce technician and installation costs. We will prepare the configuration so that the installation becomes a matter of plug and play.

Configuration
Choose any form of terminal configuration, locally via RS232 port, remotely over a Telnet connection, or via SMS.

Remote management
With 2N® SmartCom Server software for remote administration and management you will have all the installed terminals constantly under your control.

Wide range of interfaces
Thanks to the high modularity of the system and the range of HW configurations you have available a large choice of wired and wireless interface combination options.

DIAGRAM

GSM/ETHERNET

CENTRAL MANAGEMENT

PRO

2N® SMARTCOM PRO

WMBUS
MBUS
PULSE
RS485

HEAT METER　　ELECTRICITY METER　　WATER METER　　GAS METER

TECHNICAL SPECIFICATION

GSM/GPRS/UMTS/LTE

Modules	Telit xE910

Interfaces

RS232	D-sub 9 pin
RS485, M-Bus or a second RS232	Plug-in connector
2x relays	Max. switching current 2A
	Max. switching voltage 250 VAC / 220 VDC
	Max. switching power 62.5VA / 30W
3x adjustable inputs	Analogue input 0-20mA
	Analogue input 0-10V
	Analogue input 0-10V
	Digital input with decision level setting
	S0 pulse input

Optional interfaces

Ethernet	100 MB/s
Wireless M-Bus	868MHz, 169MHz, 433MHz
IEEE 802.15.4	ZigBee
Other	KNX RF, RC 232, TinyMesh 6LoWPAN

Power supply

Power adapter	6-24 V DC
Power consumption Max.	7 W
Power supply backup	External 6/12 V Pb battery with automatic charging

Other

Dimensions	100x105x30 mm
Assembly	DIN Rail (optional)
Operating temperature	-40°C to +85°C
Operating humidity	0% to 80%

SOFTWARE

2N® SmartCom Server – central administration of all terminals
2N® SmartCom Control Panel – a graphical user interface for administration of terminals