

M2M solution with Centralized Management

The 2N[®] SmartCOM, a sophisticated machine-to-machine solution, provides both transparent and secure communication which is protocol independent. This makes it a universal solution that can connect to any device and can be managed as if you were locally connected. 2N Server software solution offers Centralized Management for thousands remote devices worldwide.

Main Features:

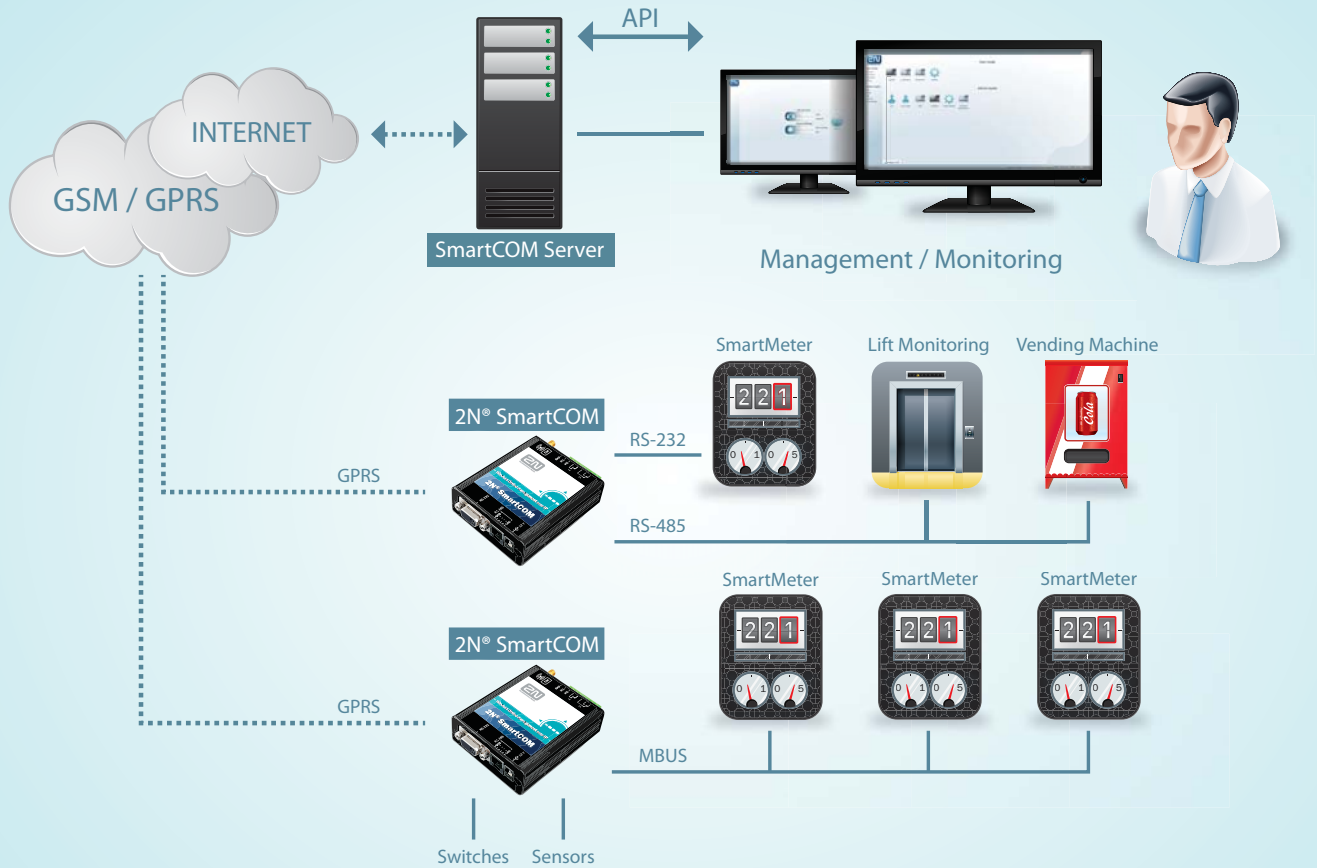
- Wireless IP monitoring & maintenance over GPRS
- Support any device with a RS232, RS485 or M-Bus interface
- Centralized management software solution
- Built-in relays & inputs for sensors
- Protocol independent
- Secured communication
- Programmable functionality
- Industrial Design

Examples of Usage:

- Smart metering systems
- Vending machines
- Lift monitoring
- Building automation remote control
- Small power generation units control
- Critical applications remote control
- Traffic control and monitoring systems



M2M Network



Technical specifications

GSM/GPRS

Quad Band GSM	850/ 900/ 1800/ 1900 MHz
GPRS	Class 10
Wireless Module	Sierra Wireless WISM0228
Receiver reference sensitivity	-108 dBm
Transmission power	33dBm for 850/900 MHz 30dBm for 1800/1900 MHz
SIM card	Plug-in 3V/1V8 (small)

Interfaces

RS232	D-sub 9 pin 300 - 115 200 bps Full modem
RS485 or M-Bus	6-pin RJ12 connector
2 x built-in relays	Max. carrying current: 2A Max. switching voltage: 250 VAC / 220VDC Max. switching power: 62.5VA / 30W
2x configurable inputs	Analog 0-20mA Analog 0-10V Digital with adjustable level
Antenna	50 Ω SMA connector

Communication

TCP/IP stack
AES 128 or AES 256 Encryption
SMS setup and alerts
Data logging

Power

Power supply	12V DC
Power consumption	up to 3W

Physical & Environmental

Dimensions	100 x 69 x 24 mm
Mounting	DIN Rail (optional)
Operating temperature range	-40 °C to + 85 °C
Operating humidity	0 % to 80%

Accessories

Antenna	GSM Quadband 2.2 dBi
Adapter	100-240V/50-60Hz to 12V/0.5A
Configuration cabel	RS-232

Software

SmartCOM Server	Management of SmartCom devices Firmware Over The Air (FOTA) Device Configuration Over The Air Event / Alarm management Application Programming Interface (API)
SmartCOM Control Panel	Grafical Interface for device management User/Group management Virtual ports setting SmartCom Server setting
SmartCOM Configuration Tool	



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