



# 2N<sup>®</sup> SmartCOM

Universal connection and monitoring  
for M2M applications





## 2N TELEKOMUNIKACE



- We have been a European manufacturer and systems developer in the telecoms market since 1991
- We are a joint stock company with 150 employees located in the Czech Republic
- We are strongly focused on the operators business
- Our products are both developed and assembled in Europe



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## Basic description:

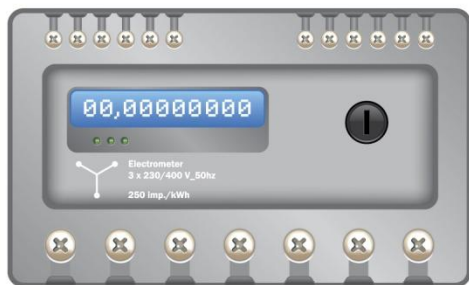


- Central management of thousands of terminals
- Possibility to connect to any device with a RS232, RS485 and M-Bus interface
- Wireless IP monitoring, maintenance collect data over GPRS
- Protocol independent
- User rights management
- Modem emulation mode



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## Monitoring of devices WITHOUT 2N<sup>®</sup> SmartCOM



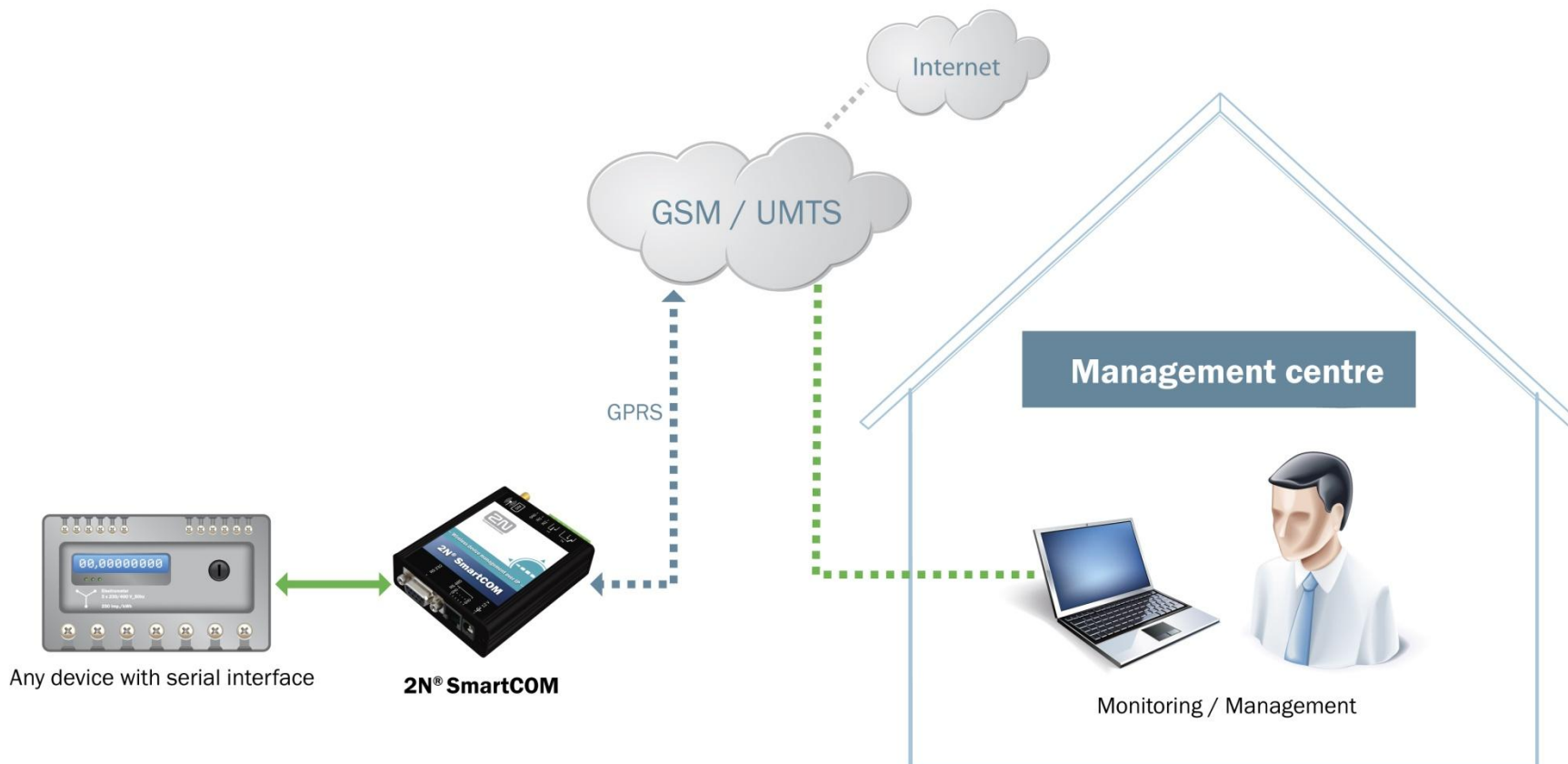
Any device with serial interface



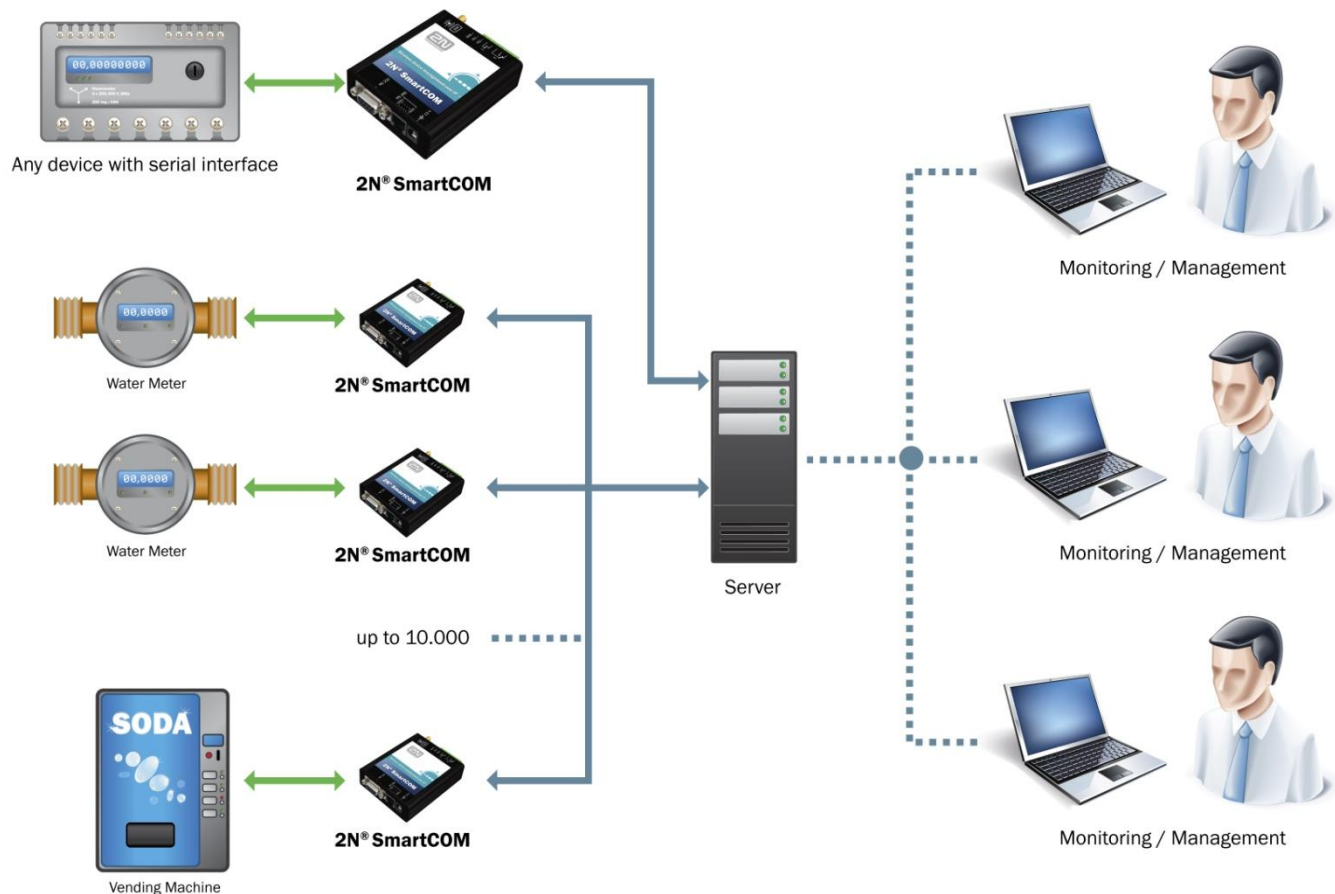


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## Monitoring of devices WITH 2N<sup>®</sup> SmartCOM



## Monitoring of all devices





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## SmartCOM server and Control panel

- SmartCOM server for logging of terminals and users
- Control panel for user access to the server, setting, tunneling
- Automatic creation of virtual ports
- Serial port or M-Bus tunneling over GPRS
- Remote port settings of terminals
- On-line monitoring of assets
- Data transfer controlling



# 2N<sup>®</sup> SmartCOM control panel

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Home

Refresh

Connections

Terminals | **Connections** | Virtual Ports | Settings

Search

	Name	Serial Number	IP Address	Port	Virtual Port	Status	Incomming Data	Outgoing Data	Action
	50-0343-0008	50-0343-0008		RS-232	COM30	Not Connected	0	0	<input type="button" value="Start"/>
	ATRIUM01	50-0370-0001	62.141.18.2	RS-232	COM21	Not Connected	0	0	<input type="button" value="Start"/>
	TrafficLight	50-0369-0080		RS-485	COM22	Not Connected	0	0	<input type="button" value="Start"/>
	SHOWROOM01	50-0370-0003	62.141.19.8	M-BUS	COM15	Not Connected	0	0	<input type="button" value="Start"/>

Search

	Name	Serial Number	Configured Ports
	50-0343-0008	50-0343-0008	1/2
	ATRIUM01	50-0370-0001	1/2
	TrafficLight	50-0369-0080	1/2
	SHOWROOM01	50-0370-0003	1/2

## Terminal Details

Name : TrafficLight  
Serial Number : 50-0369-0080  
HW Revision : 1  
Relay Count : 2  
D Input Count : 2  
A Input Count : 2  
Description : KONE Brzak

## Terminal Ports

1 : RS-232

2 : RS-485



## Hardware

- Interfaces: RS232, RS485 or RS232 and M-Bus  
2x relay output, 2x analog or digital input



1. RS 232 bus connector
2. RS 485 bus connector
3. Power supply connector



1. Relay output terminals
2. Input circuit terminals
3. LED indicator
4. SIM holder
5. GSM antenna SMA connector



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### Benefits to customer

- Remote reading and controlling devices
- No drivers required
- There is no need to use public IP addresses with SIM card
- Automatic internet tunneling
- Easy set-up



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## Business cases

- Consumption monitoring
- Lift monitoring
- Monitoring system for vending machines
- Remote meter reading of gas, water or electricity
- Monitoring of water level



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### Special features

- Configurable terminals via SMS
- Device is remotely configurable through GPRS
- Auto PIN feature, no need to enter SIM card PIN after restart
- Password protected configuration
- Firmware update possibility
- Save error messages
- The device can act as a master and initiate the connection to the server or it can act as a slave and wait for incoming connection.



**Need this solution?**

**Contact us now!**

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