M2M Solutions

Smart Metering

Energy Generation

Industrial Automation

Intelligent Traffic Systems

Retail and Banking

The right choice for customization in M2M

2N's machine-to-machine solutions are specifically designed, developed and manufactured according to the customers' needs. We focus on remote monitoring & control, metering, vending and security. No matter if you are looking for large scale deployment or proof of concept, 2N can be your trusted partner. Let us tailor our innovative solutions to meet your specific requirements.
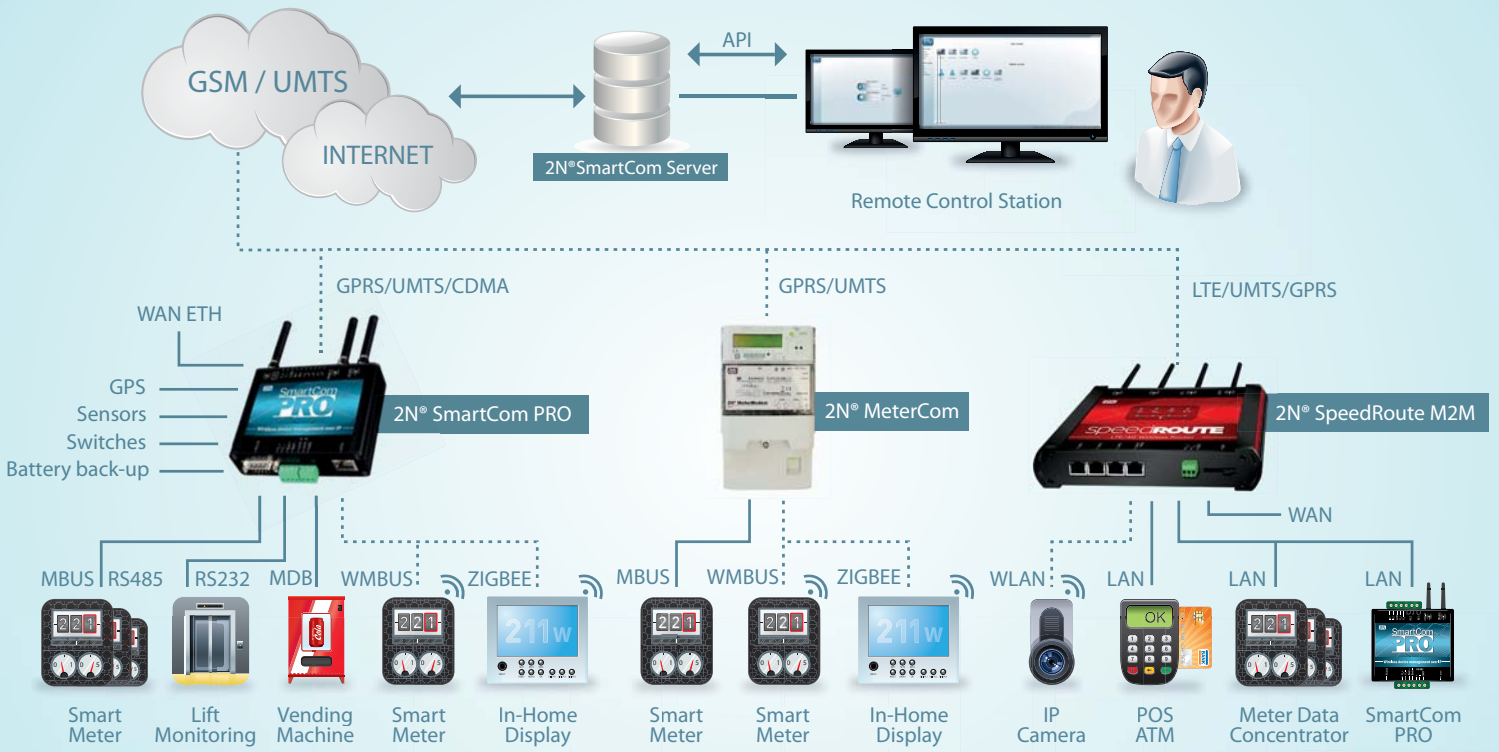
- SMS
- GPRS
- UMTS
- HSPA
- LTE

We offer solutions in these areas:

- Smart Metering & Energy Systems
- Retail Automation Systems
- Building Automation Systems
- Industrial Automation Systems
- Intelligent Traffic Systems
- Line Construction Monitoring
- Vending Machines
- Lift Monitoring

We have the right solution for:

- Utilities
- Industrial
- IT & Telecommunications
- Technology integrators

M2M Network

GSM / UMTS

INTERNET

API

2N®SmartCom Server

Remote Control Station

GPRS/UMTS/CDMA   GPRS/UMTS   LTE/UMTS/GPRS

WAN ETH

GPS
Sensors
Switches
Battery back-up

2N® SmartCom PRO   2N® MeterCom   2N® SpeedRoute M2M

WAN

MBUS | RS485 | RS232 | MDB | WMBUS | ZIGBEE   MBUS | WMBUS | ZIGBEE   WLAN | LAN | LAN | LAN

Smart Meter | Lift Monitoring | Vending Machine | Smart Meter | In-Home Display | Smart Meter | Smart Meter | In-Home Display | IP Camera | POS ATM | Meter Data Concentrator | SmartCom PRO

Products

2N® SmartCom
2N® SmartCom PRO

Key Features:

- Quad band GSM/GPRS/UMTS
- RS232/RS485/M-Bus/ETH interfaces
- Wireless M-Bus, ZigBee, 6LoWPAN, KNX RF
- Built-in relays & inputs for sensors
- Protocol independent
- AES256 encrypted communication
- Data logging
- Back-up battery management
- Management Server Software
- Customizable functionality

Applications:

- Energy management systems
- Smart metering systems
- Vending machines
- Lift monitoring
- Building automation remote control
- Critical applications remote control

2N® MeterCom
SmartMeter Add On Modules

Key Features:

- Quad band UMTS/GSM/GPRS
- RS232/RS485/M-Bus interfaces
- Wireless M-Bus, ZigBee
- Built-in relays
- Seamlessly integrated to the meter
- Protocol independent
- Secure communication
- Event scheduler
- Data logging
- Customizable functionality
- Integration with software platforms

Applications:

- Electricity meters
- Water / Gas / Heat meters
- Industrial metering systems

Reference:

- Landis+Gyr

2N® SpeedRoute M2M
LTE/HSPA+ Router

Key Features:

- LTE – five bands
- Quad band UMTS/GSM
- Multiple LAN ports/WAN port
- WiFi 802.11 a/b/g/n
- VPN - GRE & IPsec
- Data logging
- SSH Tunneling
- SNMP & VRRP support
- Customizable functionality
- DHCP server
- gpsOne™

Applications:

- Security and Surveillance
- Communication back-up
- ATM - banking systems
- POS - retail systems
- Traffic control and monitoring systems
- Video telemetry