

AMR Communication Modem SXD (4G/LTE)

The SXD-AMR (4G/LTE) is a high grade 4G/LTE Communication Modem, for reliable read-out of meter data within AMR Systems.

The modem supports all common meter interfaces (RS485, RS232, CL0) in parallel use and therefore assures a broad range of use cases.

The permanent screening of the LTE connectivity with individual and active fallback to GPRS network improves connectivity for all metering tasks.

Beside the robust design, the SXD Modem persuades with a user friendly programming and easy to use handling.



SXD (4G/LTE)
for Automated
Meter Read-Out

Abb.: SXD 4G/LTE Modem



Manipulation Protection
and
Password Protection



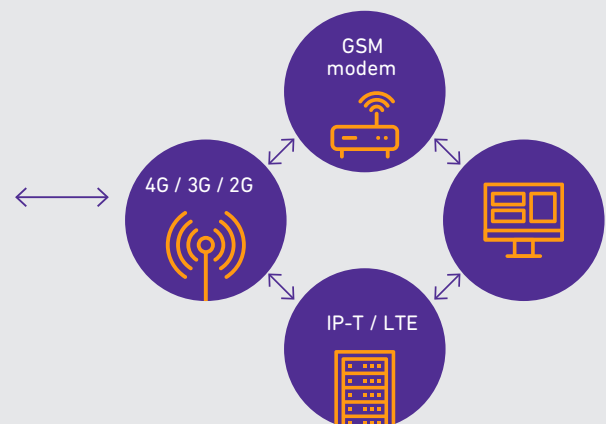
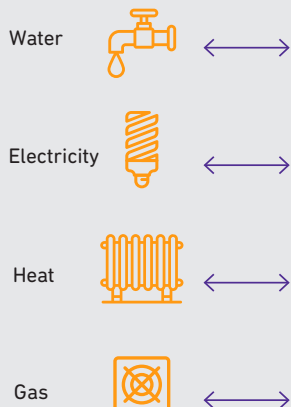
Improved and monitored
connectivity with active
GPRS fallback



Flexible choice of various
meter interfaces

Features

- Transmission of Meter Data via GPRS, 3G and 4G/LTE
- Communication with fixed IP-Adress and APN
- User friendly programming and installation
- Meters with different interfaces (RS485, CL0 RS232) usable with one modem
- Interface (SMA) for external Antenna
- Widerange Powersupply 60V to 230V AC/DC
- Fallback to GPRS freely parameterisable depending on the monitored LTE reception strength.
- Supply voltage 5V, 6V, 9V and 12V for external devices
- Remote Firmware updates and settings
- Easy to use Configuration Software
- Mass-Update Function
- Regular Network Ping (configurable)
- Load/Save function for parameter files



Technical Data

Meter Interfaces	RS485, CL0 20mA, RS232 usable in parallel
Data Rate	300 - 19.200 Baud (dynamic and adjustable) Pull Communication
Programming and FW Update	Locally with Adapter or Remote via IP
Frequency Bands	B1/ B3 / B7 / B8 / B20 / B28A
- LTE	
- UMTS	900 Mhz / 2100 Mhz
- GPRS	900 Mhz / 1800 MHz
Power Consumption	app. 1,8 Watt
Voltage Range	Un 60-230V AC/DC, Fn 50 Hz
Supply Voltage	5V, 6V, 9V, 12V selectable via DIP switches
Antenna Connector	Impedence: 50 Ohm; SMA-Conector (FME optional)
Operating Temperature	-20°C bis 55°C
Humidity	0-85%, non-condensating
Housing	3-point DIN 43861-2; IP51, UL94-V0
Dimensions	178 mm / 105 mm / 68 mm
CE Conformity	Telecommunications End Device (1999/5/EC); EN301419-1, EN301511

New Features 2024:

- Active fallback to GPRS dependend on LTE network streight for better connectivity
- Enhanced wide range powersupply
- Supply voltage 5V - 12V for external devices
- Password protection (optional)
- Sim Pin usage (optional)



Nameplate:

Kommunikationsmodul	SXD-AMR 4G/LTE modem
Eigentum des Messstellenbetreibers	Un = 100 - 240 VAC f = 50 Hz max 0,05 A HW ver. 1.0 / SW ver. 0.3
	Baujahr: 2020 
E PLN20 2900 0001	

Dimensions:

