



OrionM2M

GSM MODEM

ORN-AS

FEATURES:



GSM and LTE FDD CAT. 1



Communicating RS-485/Ethernet



Dual-SIM cards



Watchdog



Rapid installation and deployment



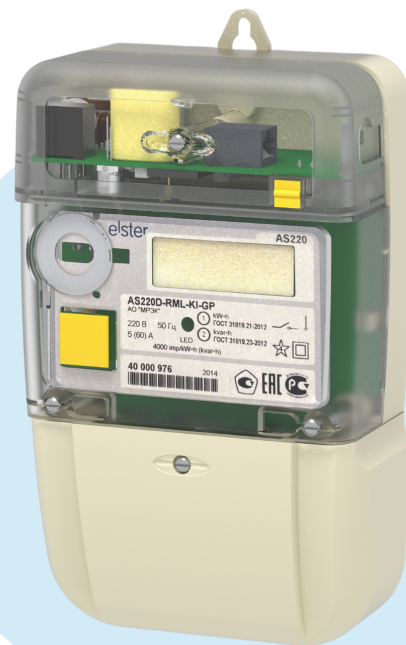
High reliability and stability



Wide voltage input 85-420VAC



Transparent TCP to Serial, MQTT, LWM2M and COAP



APPLICATIONS:

Utility companies | Meter data transmission to the HES center | Smart Metering | Industrial measurement

General

Number of Ethernet 10/100	1
Number of RS-485	1
Power voltage	85-420VAC
Current consumption, not more mA	400
Supercapacitor backup time, seconds	30
Indications	POWER, SIM1, SIM2, NET STATUS, TX, RX
Connectors	12 pin internal connector
Control	Programmable function button
Working temperature, °C	-40... +70
Dimensions, mm	132x60x55
Mounting	In the meter casing
Weight, g	≤50
MTBF, hours	100 000
Warranty operating period, months	12

Radio

Communication standards	GSM850/900 GSM1800/1900 LTE FDD CAT.1
Type of SIM	2x Mini-SIM card slot
Bands	LTE: B1/B3/B5/B7/B8/B20 GSM: B2/B3/B5/B8
Module Rate	LTE FDD (Non-CA CAT. 1): Max 10Mbps (DL)/5Mbps (UL) GPRS: Max 85.6kbps (DL)/85.6kbps (UL)
Signal lead	External, SMA
Transmission Power Class 1	30±2dBm
Transmission Power Class 3	23±2.7dBm
Transmission Power Class 4	33±2dBm
Protocol	TCP/MQTT/LWM2M/COAP

Electricity meter supported

Manufacturer	Models
Elster Honeywell	· AS220 · AS230 · AS300 · AS1440 · AS3000 · AS3500

Order Info

SKU	Description
ORN-ASR	GSM Modem LTE CAT. 1; RS-485
ORN-ASE	GSM Modem LTE CAT. 1; RS-485; 10/100 Ethernet