

BLU

GPRS MODEM FOR AMR

C2



 GPRS MODEM FOR
AMI& AMR & IoT SYSTEMS

 QUAD BAND
85-265VAC POWER INPUT

 2 OPTICAL INPUTS & 2 RELAYS
REMOTE FIRMWARE UPDATE

SCALE 1:1



BLU
GPRS MODEM FOR AMR

C2

CUSTOMIZED SUPERIOR SOLUTIONS FOR SMART ELECTRICITY METERS

- Contains an SMPS power source with impact resistance against 6000V mains power. Has fuse protection and harmonics filter within the power input. Due to having SMPS, it can easily run on both AC and DC grids. 9-36VDC Power Option is available.
- Meets all articles of Turkey Energy Corporation (EPDK) AMR Systems specifications both with hardware and software.
- Supports IEC62056-21 communication modes A/C and D. Baud switching support for Mode C is also presented. Moreover, DLMS/COSEM protocol support lies within the modem. Provides MODBUS / RTU protocol support for Network Analyzers and Energy Quality Loggers.
- Equipped with two RS485 and one RS232 communication hardware. Thus it enables reading of more meters with a sole modem.
- Modem firmware updates can be performed remotely manually or automatically. In places where GPRS is not available, the modem can be controlled via SMS.
- Any configuration changes can be performed by using TROLL Software. If needed, modem can be restarted remotely or can be totally turned off for usage.
- With its AES 128 /256 bit encryption support, it provides a communication safety in its data transmission traffic between AMR system. The encryption system has a 1/10M possibility, and can be deactivated.
- Modem has 2 input ports that can withstand 3500V isolation value. These ports are compatible with standard 9-60VAC/DC input support.
- There are 2 pieces 5A Relay outputs on the modem
- With the sealable terminal cover, unwanted accesses can be prevented.
- By the definition of whitelist and forbidden list, IP restriction is available and there is no number limitation about number of white or forbidden IP addresses.
- The modem provides continuous information flow to users by using SMS management. Modem can also monitor all process and record all wrong cases for period of 2 years. These recorded data can be reached and monitored remotely by users.
- With the Super Capacitor option you can follow energy interruptions and re-energizations.
- Transparent and Smart Mode support to work with many software protocols
- Push / Pull Mode Operation Capability
- Communication with Electricity & Water & Natural Gas & Wastewater Meters & Other Energy Quality Devices



**85-265VAC
POWER RATING**



QUAD BAND



**6000 V SURGE
PROTECTED**



**FIRMWARE
UPDATE
REMOTELY**





BLU
GPRS MODEM FOR AMR

C2



- Available 9 different colours leds on modem. Monitoring signal level, power status ,communication status and error by using leds.
- Remote or close accessing to log book and error records up to 2 years by the help of improve logging property.
- By using technology of modem updating remotely or closely , being always up to date.
- Be informed about any changes in input and output ports by using improved SMS management.
- Being compatible with Turkish Electric Corporation AMR Specs. Additionally working with super capacitor.
- Works and communicates with meters in accordance with IEC 62056-21 by using Auto Baud Switch.
- Self-reset during the loss of communication by using configurable reset time.
- RS-485 2 wires port for surge voltage protection (15KV)
- Implementation with 35 mm DIN RAIL or screw connection.



TECHNICAL SPECS

FEEDING VOLTAGE	85-265 VAC (9-36VDC OPTIONAL)
MAX CURRENT	250 mA
INSTANT CURRENT	2 Amp.
NOMINAL RUNNING FREQUENCY	50 Hz
GPRS BAND	Quad Band (850/900/1800/1900 Mhz)
GPRS CLASS	Multislot - Class 12
RUNNING MODES	TCP Server / Client
POWER INPUT IMPACT RESISTANCE	6000V
COMMUNICATION INPUT INSULATION	15KV
CONTROL INPUT INSULATION	3500V
ETHERNET	-
INTERNAL MEMORY	1-10 Mbyte
DIMENSIONS	105 x 35 x 60 mm (Length x Width x Depth - Except terminal cover)
INPUT PORTS	2 pieces Optical Isolation Inputs
OUTPUTS	2 pieces 250V/5A Relay Outputs
COMMUNICATION PROTOCOL SUPPORTS	300 - 115.200 Baud 7E1 / 8N1 / Transparent Communication IEC 62056-21 ModA/ModC/ModD DLMS/COSEM MOD-BUS RTU
INDUSTRIAL COMMUNICATION PORTS	2 pieces RS-485 Ports, 1 RS 232 Port (optional) 300-115.200 Baud
PC COMMUNICATION PORTS	USB 2.0 / 12 Mbit / USB Mini
TEMPERATURE RANGE	Running Temp. : -30 C +70 C Storage Temp. : -40 C +80 C Humidity : 0 -96 %
PROTECTION CLASS	IP 54 / Material ABS
WEIGHT	250 Gr.
CONFIG SOFTWARE / METHOD	Configuring by Close Connection with USB 2.0 and TROLL , Configuring by remote Connection with TCP /IP ve TROLL
FIRMWARE UPDATE	Updating with USB 2.0 & Remote Connection with TCP /IP
MOUNTING TYPE	35 mm DIN RAIL or Screw Connection



BLUSKY
Simple yet effective

 **Aktifenerji**
www.aktifenerji.com.tr

Tel: + 90 312 473 1840 (pbx)
Fax: + 90 312 473 1841
E-mail: aktif@aktifenerji.com.tr

Ümit Mah. 2535 Sokak no:6 06810
Ümitköy / Çayyolu / Ankara / TÜRKİYE