BLU C2

GPRS MODEM FOR AMR

BLUSKY

Simple yet effective

Inp
Out
Tx
Rdy Rx
Status

BLU
C2
GPRS

REGISTERED DESIGN

GPRS MODEM FOR
AMI& AMR & IoT SYSTEMS

QUAD BAND
85-265VAC POWER INPUT

2 OPTICAL ISOLATED INPUTS & 2 RELAYS
REMOTE FIRMWARE UPDATE

Aktifenerji
www.aktifenerji.com.tr

BLUSKY

Simple yet effective

SCALE 1:1

BLU C2
GPRS MODEM FOR AMR

CUSTOMIZED SUPERIOR SOLUTIONS
FOR SMART ELECTRICITY METERS

- Contains an SMPS power source with i mpact 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 Corparation (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 totallt 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

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- Available 9 different colours leds on modem. Monitoring signal level, power status ,communication status and error by using leds.

- Thanks to advanced logging feature, Status, Running Logs and Error Logs can be accessed remotely and closely up to past 2 years.

- 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 Corparation 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)
INSTANT CURRENT	250 mA
MAX CURRENT	2 Amp.
NOMINAL RUNNING FREQUENCY	50 / 60 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	105x35x60 mm(Length x Width x Depth excluding terminal cover)
INPUT PORTS	2 Optical Isolation Inputs
OUTPUTS	2 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 RS485 Ports, 1 RS232 Port (optional) 300-115.200 Baud
PC COMMUNICATION PORTS	USB 2.0 / 12 Mbit / USB Mini
TEMPERATURE RANGE	Running Temp. : -30 C ..... +70 C (-40 C..... +80 C Optional) Storage Temp. : -40 C ..... +80 C Humidity : 0 -96 %
PROTECTION CLASS	IP 54 / Material ABS + PC
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

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