RAIL-MOUNTED LTE/GPRS-RS485 GATEWAY
JMD100 Series

EAA
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Since 1980

- In Comply with FAHAM2 Modem Specifications
- Supports DLMS COSEM Protocol
- Supports Gateway Protocol Over TCP/IP
- Static/Dynamic IP Address Support
- Message/Access Authentication/Encryption
- Remote/Local Firmware Upgrade Capability
- Push On Connectivity
- Different Log Files including Various Event Type
- RS485 Local Network Up to 256 Slave Node
- Accurate Internal Real Time Clock With internal/External Backup Battery
- 4G/2.5G Network Support
- High Performance Internal Antenna (Optional External Antenna)

Innovation, Future Foundation

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Reference Standards	EN-301-511, CISPR 11, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8
Interoperability	DLMS, FAHAM2 Modem Specification
Supply Type/Voltage	Single Phase, AC/DC
Operating Voltage Range	150-460V
Insulation Class	Double insulation
Battery	Long life lithium battery to support RTC, capability to add external battery
Operation Temperature	-35°C to +70°C
Reliability	+85°C 95% RH at least 500 hours
Life Time	Ten years
Relative Humidity	Up to 95%
Failure in Time	0.5% per year
Degree of Protection	IP54 without suction
Communication Port Up Link	LTE (4G) Cat1, GPRS & EDGE (2.5G) and GSM Protocol: DLMS over IP between modem and HES Protocol: DLMS over IP Gateway mode between sub-meters and HES Support static and dynamic IP address and APN Support TCP client/server and UDP server Connection type: Auto connect and push on connectivity Supported connection mode based on DLMS: 101,102,103,104
Communication Port Down link	RS485, Master, 2wire, up to 256 Slave Nodes Baud rate: 4800 ,9600 , 19200 baud configurable Protocol: DLMS, Direct HDLC
Communication Port Local	Optical port, IEC-62056-21 Baud rate: 300 switches to 9600 baud Protocol: DLMS, Mode-E
Events & Logs	Standard, Communication and Fraud Event Logs with more than 100 Events
Weight	350g
Dimensions	170.5 x 40.0 x 106.8 mm
RTC Accuracy	≤ 0.5Sec/day
Firmware Upgrade	Ability to update firmware remotely / Locally
Supported Use Case	Clock sync, Firmware update, Log files, Push on connectivity
Protection	Encryption: AES128-GCM Authentication: GMAC Dedicated Key: supported Key warping: AES128 with KEK Security policy: 3

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ISO 14001 SGS   ISO 9001 SGS   ISO 45001 SGS   KEMA   dlms device language message specification