

RA Ecosystem Partner Solution

JNE Network Interface Card Solution



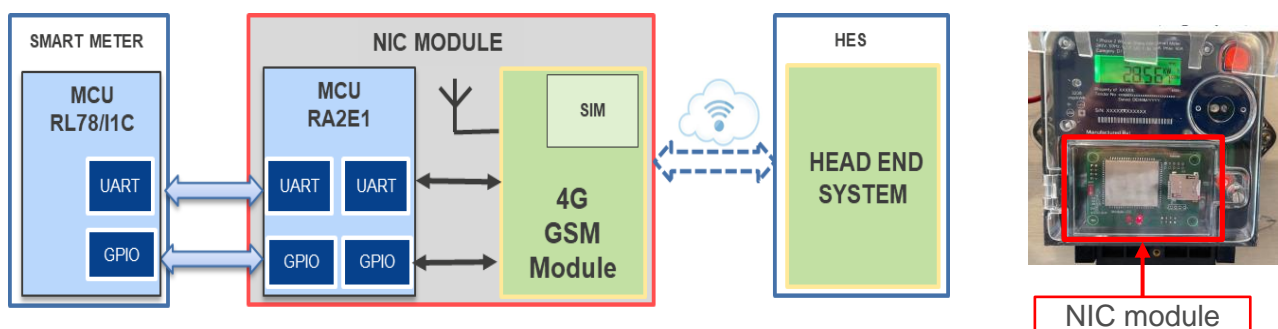
Solution Summary

JNE's Network Interface Card (NIC) module is a ready-to-use solution for smart metering using the onboard [RA2E1](#) Arm MCU. The NIC is an extended communication card for smart meter. It can easily integrate with electricity meters (1-Phase & 3-Phase) and leverages any available network to form a highly resilient network for the utility. It supports two-way wireless (GPRS, NBIoT, etc.) functionality, remote data acquisition, meter program management, and sending real-time alerts for meter tampering and outages to utility companies. Two-way communications network gives utilities greater efficiency, more reliable data delivery, improved customer satisfaction, and a scalable platform to support advanced smart grid and smart city applications.

Features/Benefits

- Onboard MCU handles multiple communication technologies
 - Multiple 4G/GPRS comm modules
 - IPv6 network addressing
 - Pushes secure data at configured intervals to head end system
 - Programmable data acquisition (push/pull) frequency
- Supports over the air firmware update
- Meets power consumption requirements of India IS-16444

Diagrams/Graphics



Target Markets & Applications

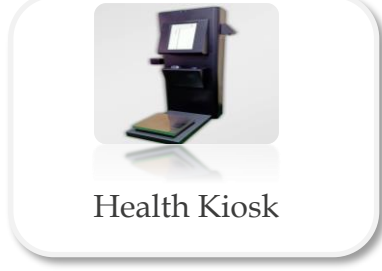
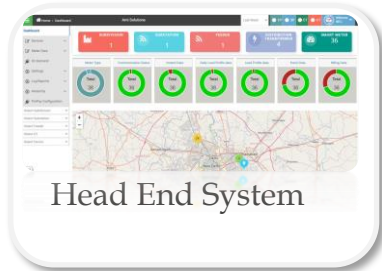
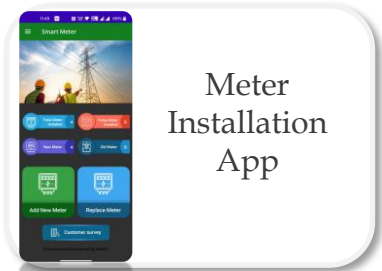
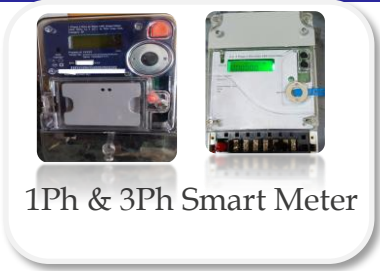
- | | | |
|----------------|---------------------|-------------------|
| • Smart meter | • Energy monitoring | • Gas meter |
| • Net metering | • Water meter | • IoT application |

JNE Profile

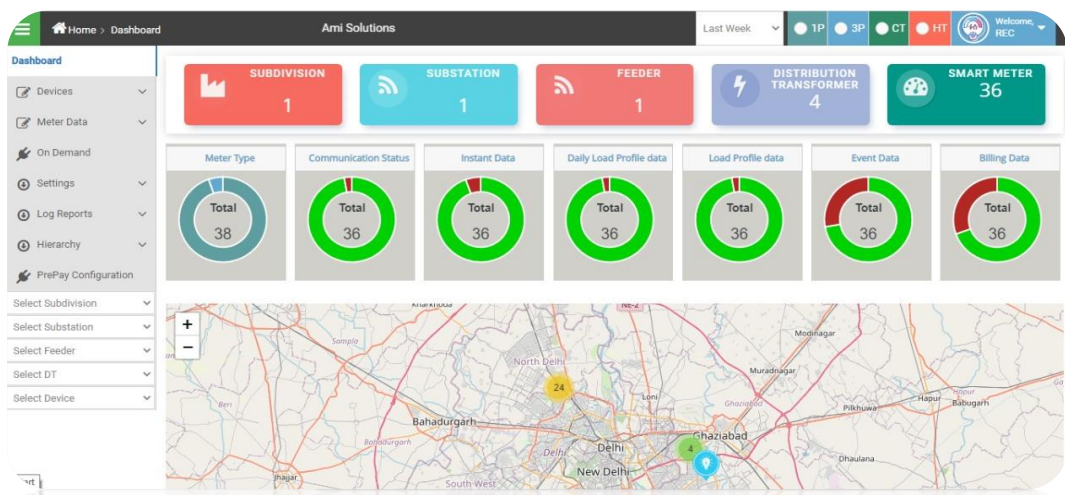
A Smart Partner for Smart Product & Metering Market Enablers

JN Enterprise (Now new registration JNE Smart technologies Pvt. Ltd.) is an engineering services & technology solutions provider with core expertise in smart products like smart meters, embedded systems, fitness and health products, EV chargers, smart plug and Cloud software services, Android apps and help to setup manufacturing plants.

JNE Product & Services offering



JNE HES Dashboard



Contact-US

JNE Smart technologies Pvt. Ltd.
 Contact: Nagesh Sharma,
 Mob: +91 9871767768
 Address: vasundhra, Ghaziabad, Uttar Pradesh,201001
 Website: [JNE Smart technologies Pvt. Ltd. \(jnetech.in\)](http://JNE Smart technologies Pvt. Ltd. (jnetech.in))
 E-Mail: info@jnetech.in /nageshsharma08@gmail.com

Contact-RENESAS

Renesas Electronics India Pvt. Ltd.
 Contact: Ravindra Chaturvedi
 Mob: +91 8802537352
 Address: Uppal's M6 Plaza, Jasola, Delhi 110025
 Website: Renesas Electronics Corporation
 E-Mail: ravindra.chaturvedi.yw@renesas.com