

RL78 Ecosystem Partner Solution

3-PHASE SMART METER



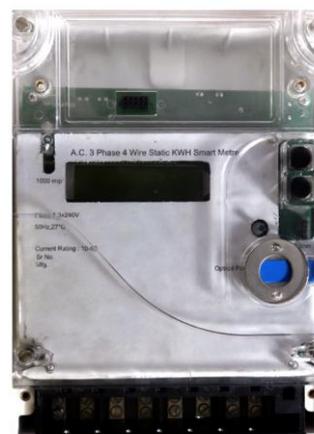
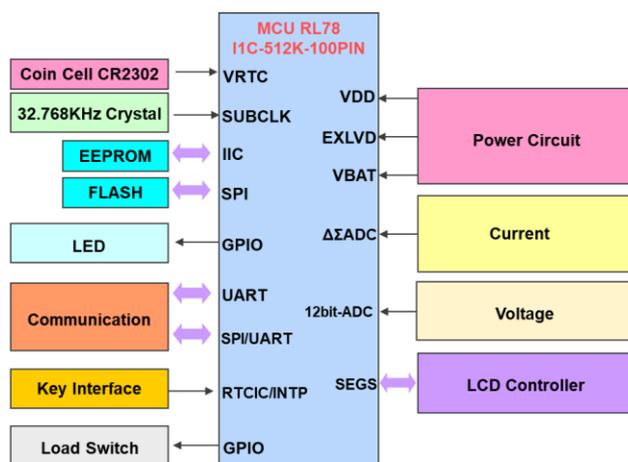
Solution Summary

JNE's 3-Phase Smart Meter is a ready-to-use solution for smart metering using the onboard Renesas MCU [RL78/I1C](#) -512K/100Pin. The 3-phase, 4-wire Class 1 / Class 0.5S meter is designed with low current consumption, low cost meter and high-performance solution. This would be an ideal solution for advanced metering infrastructure (AMI), Peak Load Management (PLM) including meter demand response. The meter will communicate with HES through GPRS connectivity.

Features/Benefits

- Operating Voltage 110-300V (at any Channel)
- Basic current 5A / 10A ,Maximum current 60 / 120A
- Operating Frequency 50 Hz \pm 10%
- LCD display with 7 digits, RTC accuracy of \pm 5 PPM at 25^o
- Power consumption as per IS- 16444 (3W/8VA)
- Kwh—impulse output as per IEC 52053-31
- Complying IS 15959 part-2 standard for DLMS
- Fundamental to 31st Harmonic measurement
- Tamper detection & Event logging with active energy, voltage and current snap shots
- Load connection/disconnection through latching relays

Diagrams/Graphics



Target Markets and Applications

- Smart Meter
- Net Metering
- Energy Monitoring
- EV Charger/Station

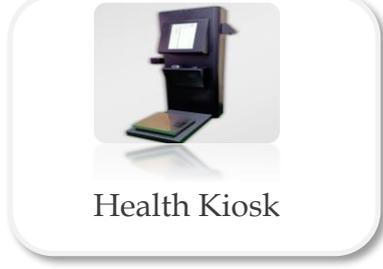
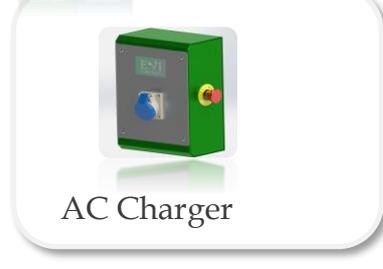
<http://jnetech.in/>

JNE Profile

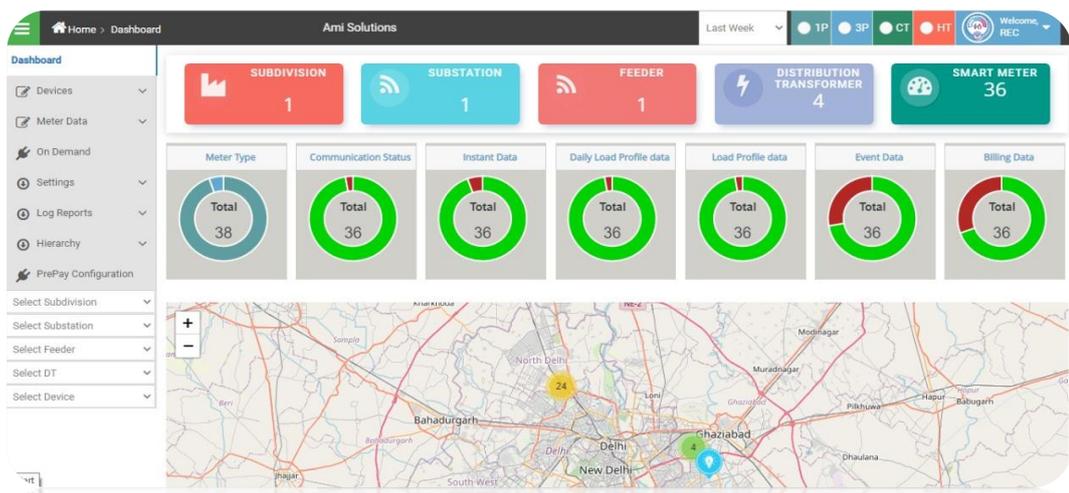
A Smart Partner for Smart Product & Metering Market Enablers

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



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