



Smart Prepayment & AMI System Solution



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1 Smart Prepayment Metering System & Solution

1.1 Keypad Prepayment Meter Series

(Integrated Type, Split Type With Wire Connection or PLC Communication)

1.1.1 Integrated Keypad Prepayment Meter



1 phase Keypad Meter
(film key)



1 phase Keypad Meter
(silica gel key)



3 phase Keypad Meter

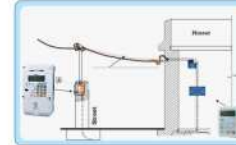
1.1.2 Split Keypad Prepayment Meter



Split Keypad Prepayment Metering Solution

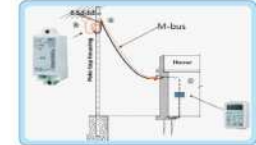
Installation 1

Split Prepayment Meter
(M-bus wired communications)



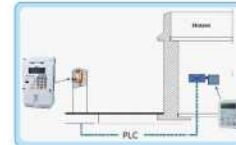
Installation 2

DIN type Prepayment Meter
(M-bus wired communications)



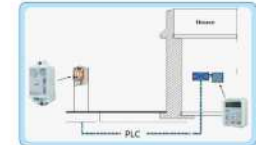
Installation 3

Split Prepayment Meter
(PLC communications)



Installation 4

DIN type Prepayment Meter
(PLC communication)



1.1.3 Keypad Prepayment Smart Meter



1.2 IC Card | RF Card Prepayment Meter Series

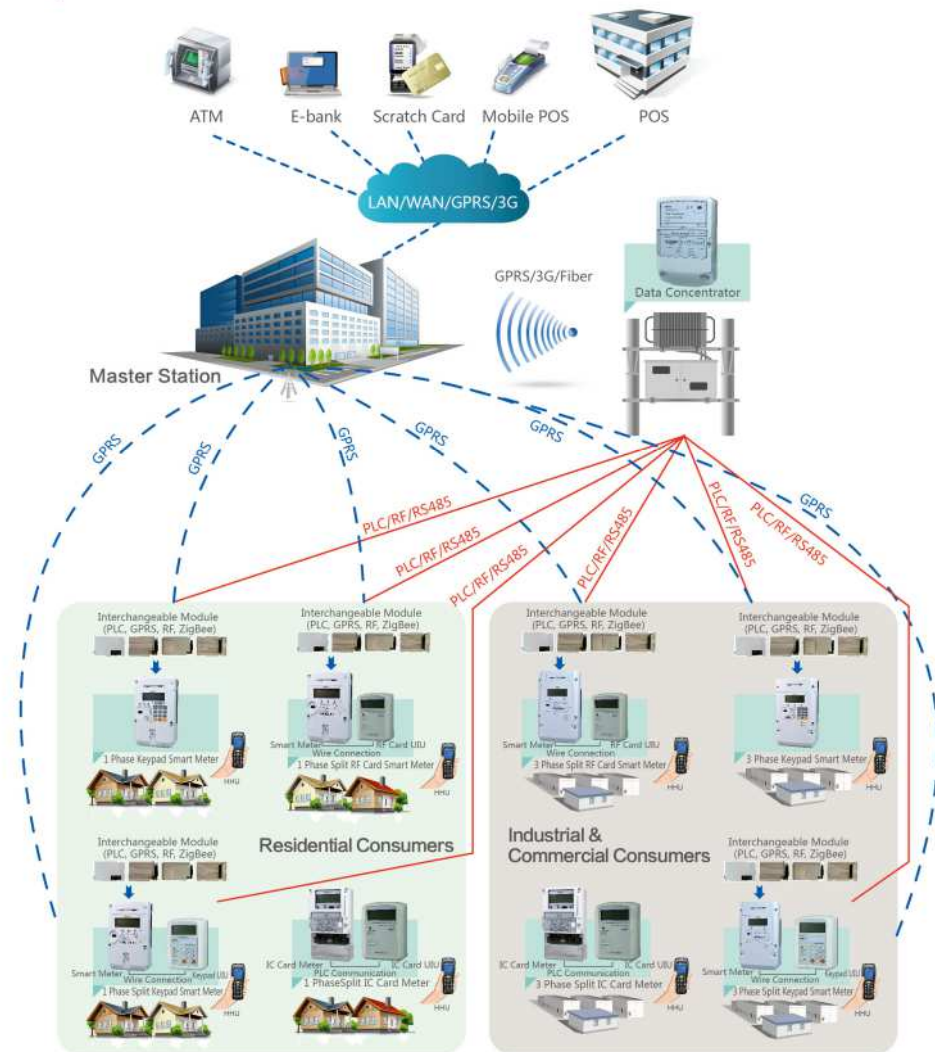
(Integrated Type, Split Type With Wire Connection or PLC Communication)

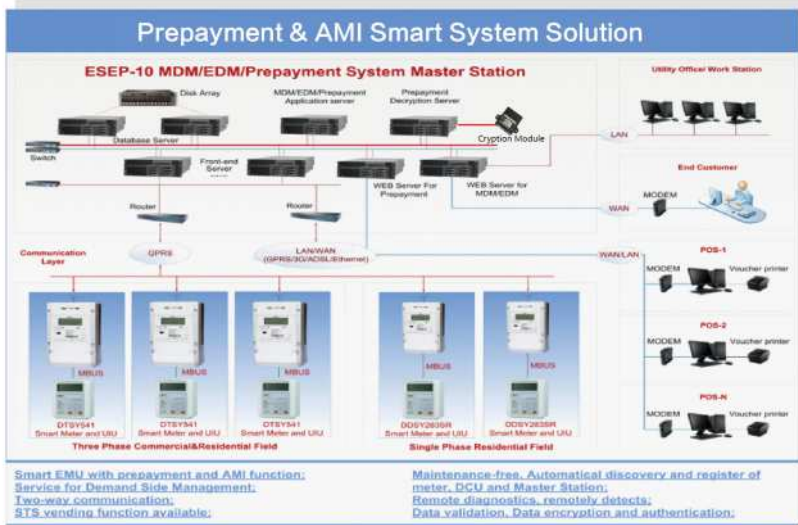


1.3 Main Functions of Keypad & IC Card | RF Card Prepayment Meters

- Prepayment
- Protect Against Tamper & Fraud
- Automatic Load Control
- Alarming When Residual Energy is Lower

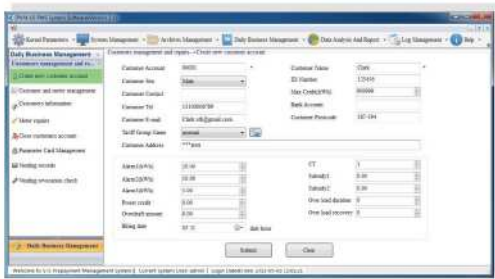
1.4 Prpayment Meter Vending & AMI Smart Metering System Solution





1.5 Prepayment Keypad Meter & IC Card / RF Card Meter Software Architecture

- Kernel Parameters
- System Management
- Archives Management
- Daily Business Management
- Data Analysis & Report
- Log Management



2 AMI Smart Metering System & Solution

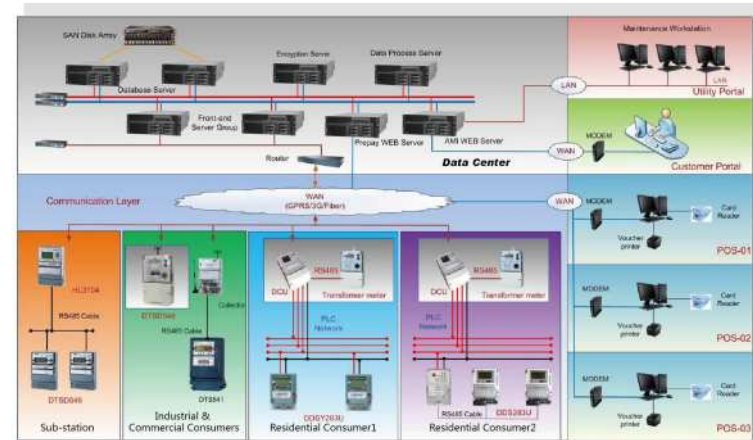
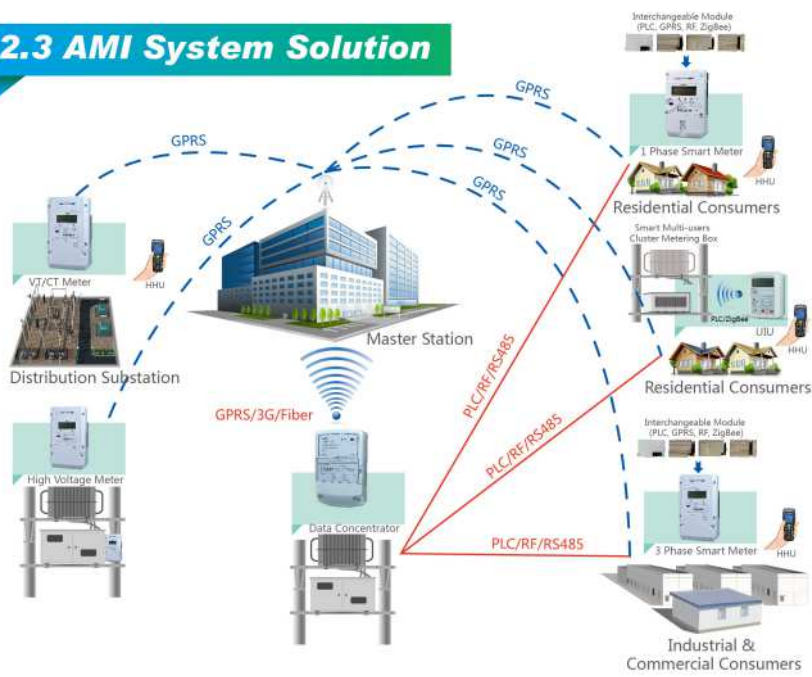
2.1 AMI Meter Series (PLC, GPRS, RF, ZigBee) & Network Products



2.2 Main Functions of AMI Smart Meter

- Energy Measuring
- Anti-tamper
- Events Recording
- Load Profile
- Multi-communication (RS485, Optical IR, M-Bus, GPRS)
- Multi-protocol (DLMS, IEC62056-21)

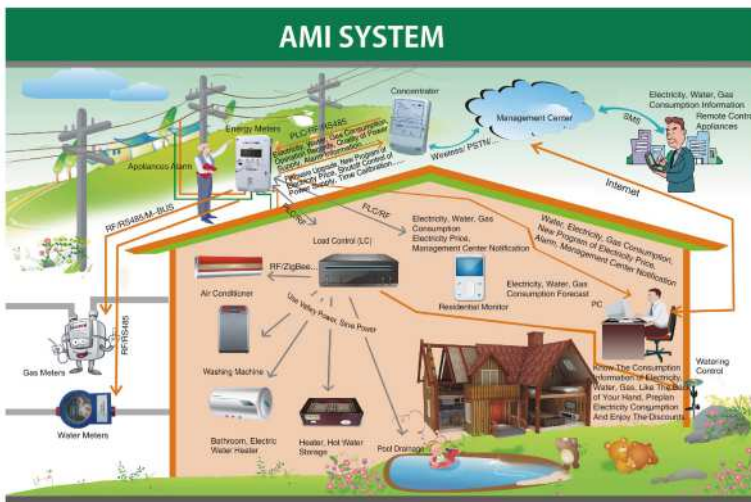
2.3 AMI System Solution



2.4 AMI Smart Metering Software Architecture

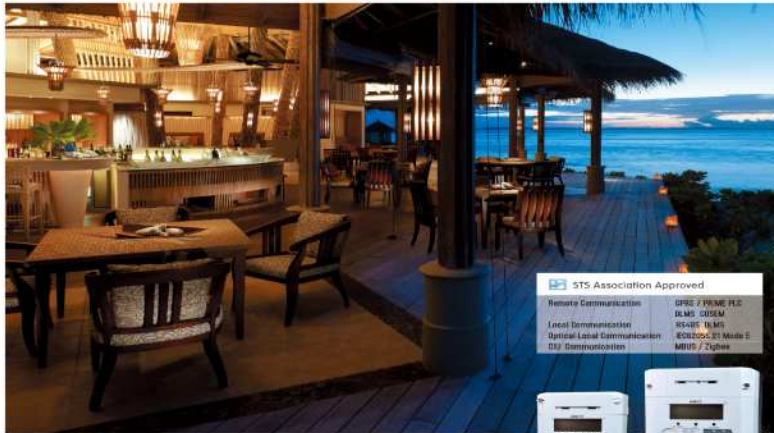
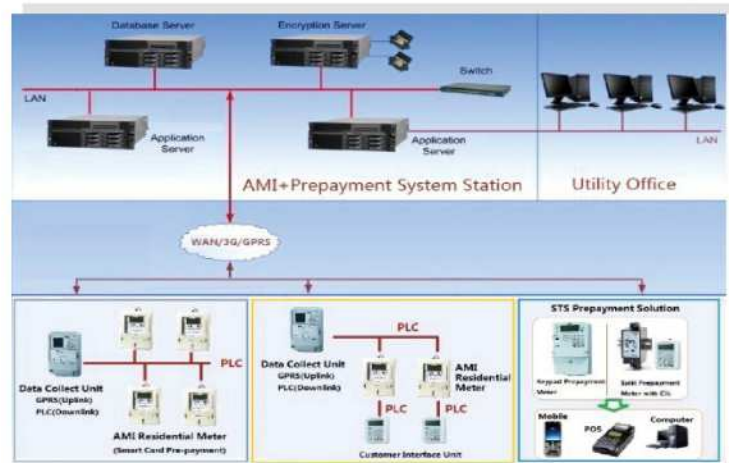


- Assets Archive
- Collect Archive
- Network Archive
- Report
- Remote Setting
- Historical Data
- System Configuration





2.5 AMI & Prepayment Metering System Solution



Smart Prepayment Solution – Your Gold Housekeeper for A High Quality Life

STS Association Approved

Remote Communication	GPRS / 3G/4G / PLC
Local Communication	DLMS / Cosem
Optical Local Communication	RS485 / DLMS
DS/ Communication	RS232C, ST Modem, MBUS / ZigBee



- M1 GPRS-Remote Comm. DLMS TCP/IP
- M2 RS485-Local Comm. DLMS HDLC
- M3 Optical-Local Comm. IEC62056-21 E Mode
- M4 MBUS-C/W Meter EN 13757-1 EN 13757-2
- M5 RS485-IHD DLMS HDLC

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