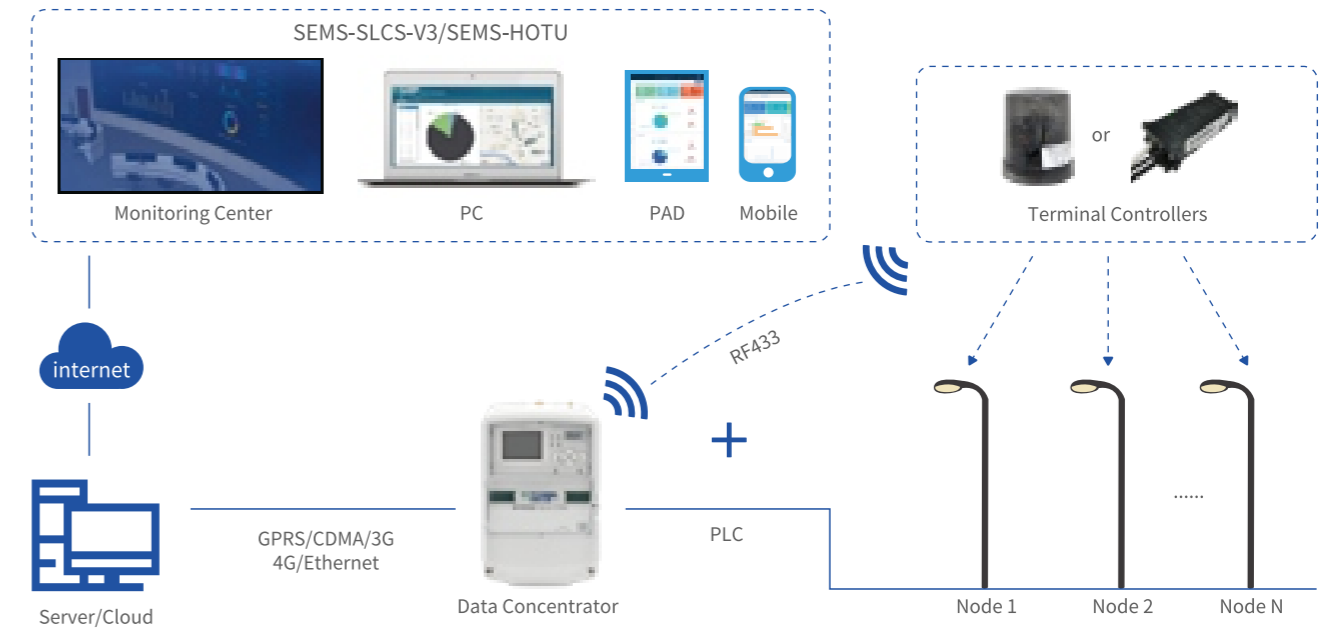


Dual-Mode (PLC+RF433) Solution

Dual mode (PLC+RF433) System Structure



Terminal Controller TC

SEMS-TC09D PID: DBP2



Product description

Work with web-based software allows remote configuration, monitoring, control, reporting, alarm and update

- PLC+RF433 Dual mode communication
- AC input 86-305V, 50/60 Hz, switch capacity max. 16 A
- Dimming: 0-10V or PWM or DALI
- Operating conditions: -40°C to +85°C, 20% to 90% Rh non-condensing; IP65
- Product size(L*W*H): 153.5*69.2*41.4mm

Optional function

- Real time clock
- GPS module
- Tilt-sensor module
- Sensor input port
- Leakage of electricity



Terminal Controller TC

SEMS-TC09D PID: DBN0



Product description

Work with web-based software allows remote configuration, monitoring, control, reporting, alarm and update

- NEMA 7 pin socket connected (ANSI C136.41)
- PLC+RF433 Dual mode communication
- AC input 86-305V, 50/60 Hz, switch capacity max. 16 A
- Dimming: 0-10V or PWM or DALI
- Operating conditions: -40°C to +85°C, 20% to 90% Rh non-condensing; IP65
- Product size(Dia*H): Φ84*98mm

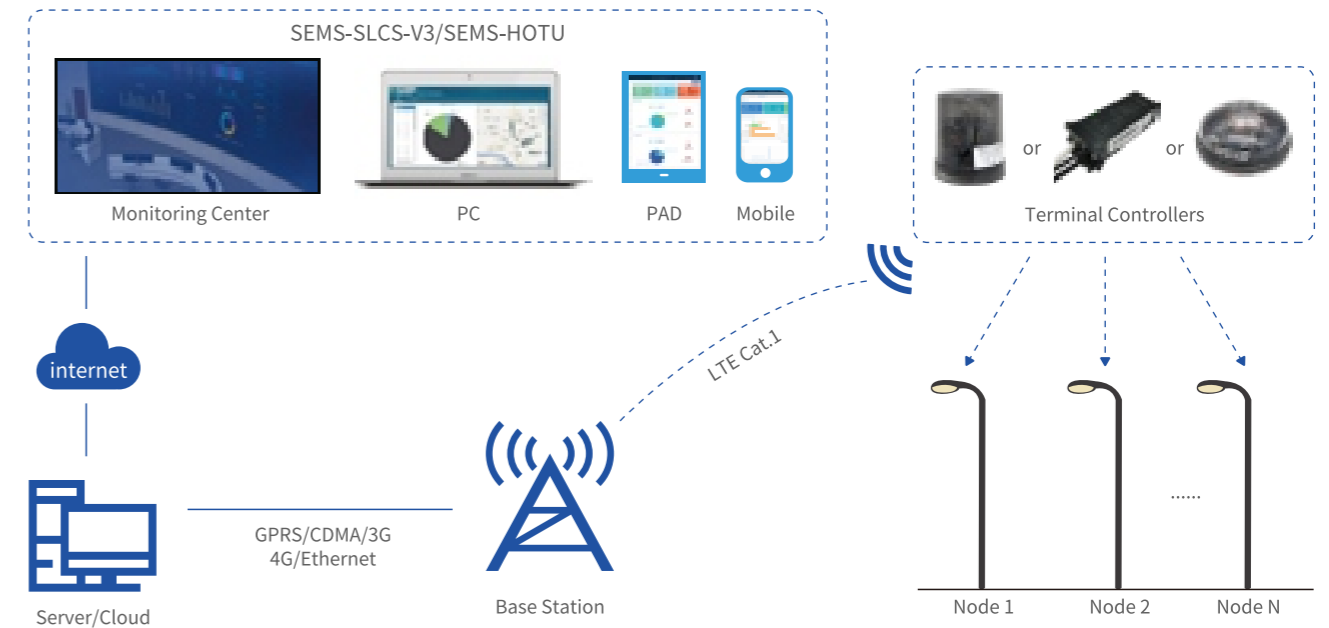


Optional function

- Real time clock
- GPS module
- Tilt-sensor module
- Photocell Sensor module

LTE Cat.1 Solution

LTE Cat.1 System Structure



Data Concentrator DC

SEMS-DC09C PID: E2M0/1DB-A06



Product description

Work with web-based software allows remote configuration, monitoring, control, reporting, alarm, data and update, self-running based on astronomical calendar.

- PLC+RF433 Dual mode communication
- LCD display
- AC input 86-305V, 50/60 Hz, switch capacity max. 16 A
- Port: 2G/3G/4G, Ethernet, RS232, RS485
- IO Ports: 4 DO, 6 DI, 1 AI Input
- Operating conditions: -40°C to +85°C, 20% to 90% Rh non-condensing; IP65
- Product size(L*W*H): 290×180×95mm



Terminal Controller TC

SEMS-TC09E PID: 4GN0



Product description

Work with web-based software allows remote configuration, monitoring, control, reporting, alarm and update

- NEMA 7 pin socket connected (ANSI C136.41)
- LTE Cat 1 communication mode.
- AC input 86-305V, 50/60 Hz, switch capacity max. 16 A
- Dimming: 0-10V or PWM or DALI
- Operating conditions: -40°C to +85°C, 20% to 90% Rh non-condensing; IP65
- Product size(Dia*H): Φ84*98mm

Optional function

- Real time clock
- GPS module
- Tilt-sensor module
- Photocell Sensor module



Terminal Controller TC

SEMS-TC09E PID: 4GZ0/S



Product description

Work with web-based software allows remote configuration, monitoring, control, reporting, alarm and update

- Zhaga standard socket (book ☒)
- LTE Cat. 1 communication mode.
- DC input: 12-28V
- Dimming: DALI
- Operating conditions: -40°C to +75°C, 20% to 90% Rh non-condensing; IP65
- Product size(L*W*H): Φ80*65mm



Optional function

- Real time clock
- GPS module
- Tilt-sensor module

Terminal Controller TC

SEMS-TC09E PID: 4GP2



Product description

Work with web-based software allows remote configuration, monitoring, control, reporting, alarm and update

- LTE Cat. 1 communication mode.
- AC input 86-305V, 50/60 Hz, switch capacity max. 16 A
- Dimming: 0-10V
- Operating conditions: -40°C to +85°C, 20% to 90% Rh non-condensing; IP65
- Product size(L*W*H): 153.5*69.2*41.4mm

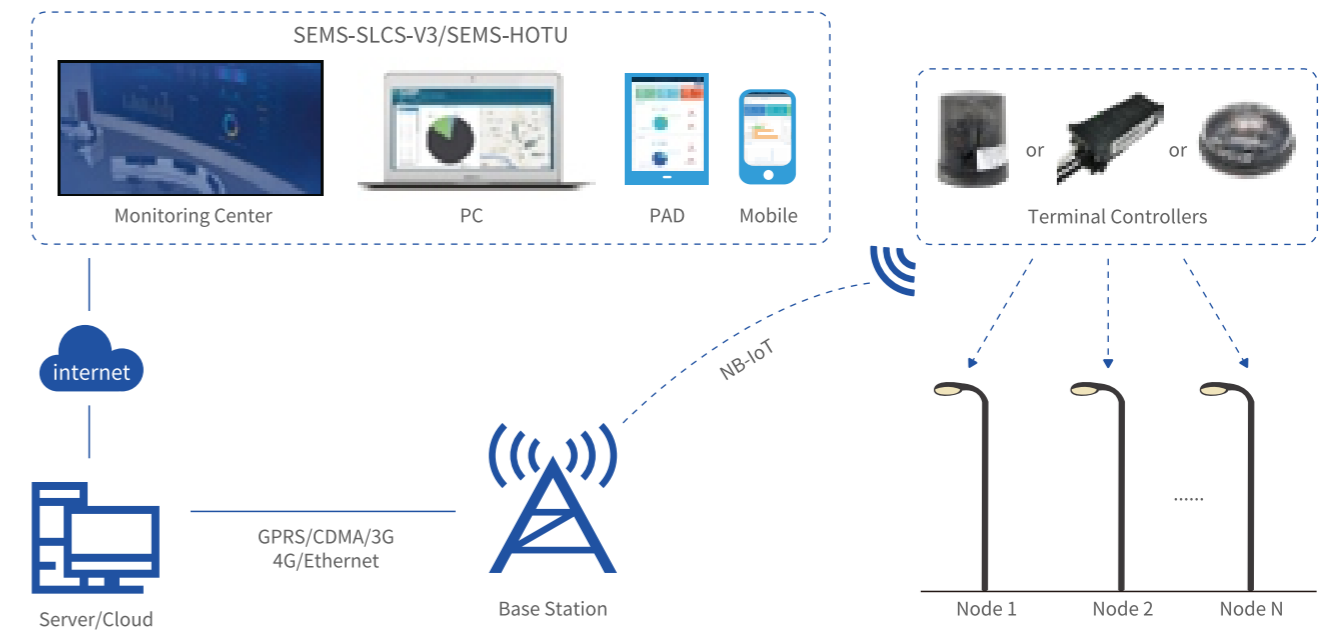


Optional function

- Real time clock
- GPS module
- Tilt-sensor module
- Sensor input port
- Leakage of electricity

NB-IoT Solution

NB-IoT System Structure



Terminal Controller TC

SEMS-TC09D PID: NBP2



Product description

Work with web-based software allows remote configuration, monitoring, control, reporting, alarm and update

- NB-IOT communication mode.
- AC input 86-305V, 50/60 Hz, switch capacity max. 16 A
- Dimming: 0-10V or PWM or DALI
- Operating conditions: -40°C to +85°C, 20% to 90% Rh non-condensing; IP65
- Product size(L*W*H): 153.5*69.2*41.4mm



Optional function

- Real time clock
- GPS module
- Tilt-sensor module
- Sensor input port
- Leakage of electricity

Terminal Controller TC

SEMS-TC09C PID: NBN0



Product description

Work with web-based software allows remote configuration, monitoring, control, reporting, alarm and update

- NEMA 7 pin socket connected (ANSI C136.41)
- NB-IoT communication mode.
- AC input 86-305V, 50/60 Hz, switch capacity max. 16 A
- Dimming: 0-10V or PWM or DALI
- Operating conditions: -40°C to +85°C, 20% to 90% Rh non-condensing; IP65
- Product size(L*W*H): Φ86*98mm



Optional function

- Real time clock
- GPS module
- Tilt-sensor module
- Photocell Sensor module

Terminal Controller TC

SEMS-TC09D PID: NBZ0/S



Product description

Work with web-based software allows remote configuration, monitoring, control, reporting, alarm and update

- Zhaga standard socket (book 18), Sensor ready
- NB-IoT communication mode.
- DC input: 12-28V
- Dimming: DALI
- Operating conditions: -40°C to +70°C, 20% to 90% Rh non-condensing; IP65
- Product size(L*W*H): Φ80*65mm

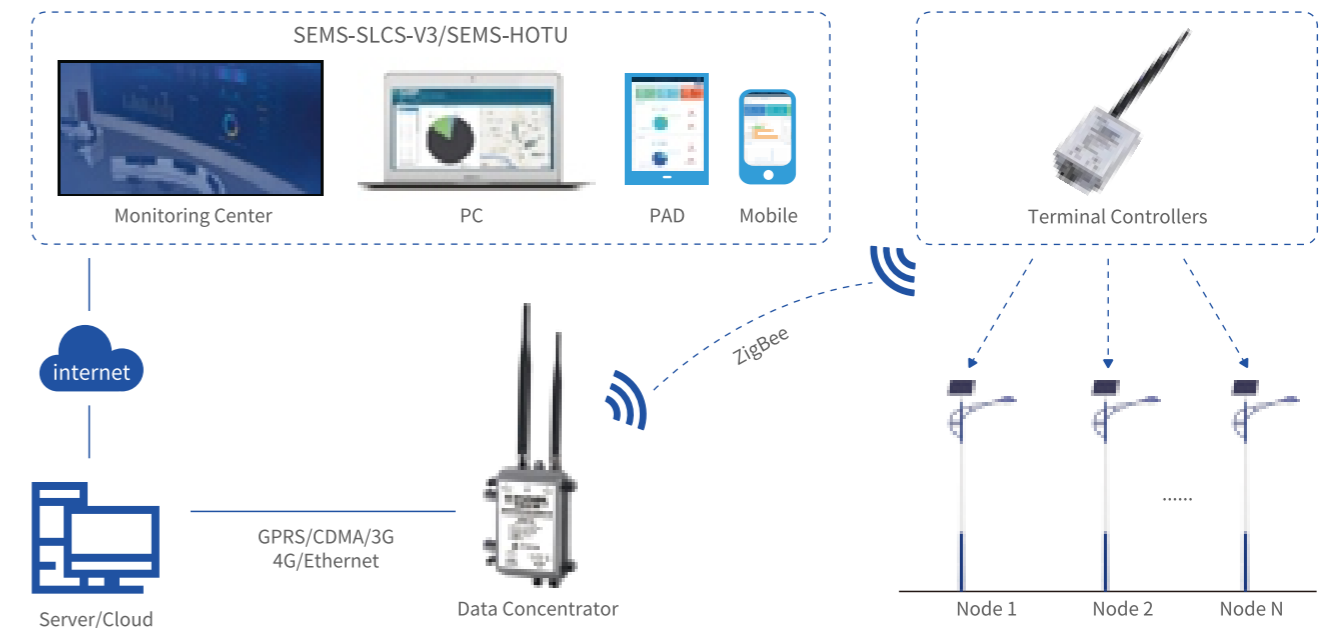


Optional function

- Real time clock
- GPS module
- Tilt-sensor module

ZigBee Solar Lighting Solution

ZigBee Solar Lighting System Structure



Terminal Controller TC

SEMS-TC12WE



Product description

Work with web-based software allows remote configuration, monitoring, control, reporting, alarm and update

- ZigBee communication mode.
- DC input 9-32V,
- Dimming Port: RS485
- Operating conditions: -40°C to +85°C, 20% to 90% Rh non-condensing; IP65
- Product size(L*W*H): 106 *66 *27mm



Data Concentrator DC
SEMS-DC08ZE



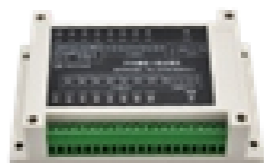


Product description

Work with web-based software allows remote configuration, monitoring, control, reporting, alarm, data and update, self-running based on astronomical calendar.

- ZigBee communication mode.
- DC input 0-10V
- Port: 2G/3G/4G, Ethernet, RS485
- Operating conditions: -40°C to +70°C, 20% to 90% Rh non-condensing; IP65
- Product size(L*W*H): 215 *172*70mm



Extension Modules

Device Name	Model. No.	Figure	Specification
Photo Sensor	SEMS-LUXALL(V4.0R)		Multi-directional illuminance sensor: 12-18VDC, 380nm~730nm, 0~200000Lux, RS485 communication, IP65, 0~+70°C, 0%~70%RH, (non-condensing)
Meter Module	SEMS-METER		with three-phase voltage, current power, frequency, PF, kw, etc, mea-sure-meet, RS485-modbus, IP51, -30~+70°C, 20%~90%RH, 145*90*40mm(L*W*H)
DIDO Module	SEMS-8DIDO-2		8DIDO module, 86-264VAC, 8-channel digital input(DI), 8-channel relay output(DO), RS485-modbus; 24W DC, IP50, -25 to +70°C, 5% to 95%RH, 145*90*45mm(L*W*H)
Anti-theft extended module	SEMS-FD06		Anti-theft module, 220VAC or 12VDC power supply, 6 channels monitor, IP51, -20~+80°C, 25%~85%RH, 145*90*40mm(L*W*H)
Anti-theft terminal	SEMS-RTU-FD		Anti-theft terminal, AC input range: 176-264VAC, IP65, -20~+90°C, 20%~90%RH, 198*91*46mm(L*W*H)