



Smart Home Solution

Remote control & management for lighting and appliances



ATC- iTouch



ATC-iCurtain



ATC- iButton



ATC- iButton-RX



ATC- iPlug



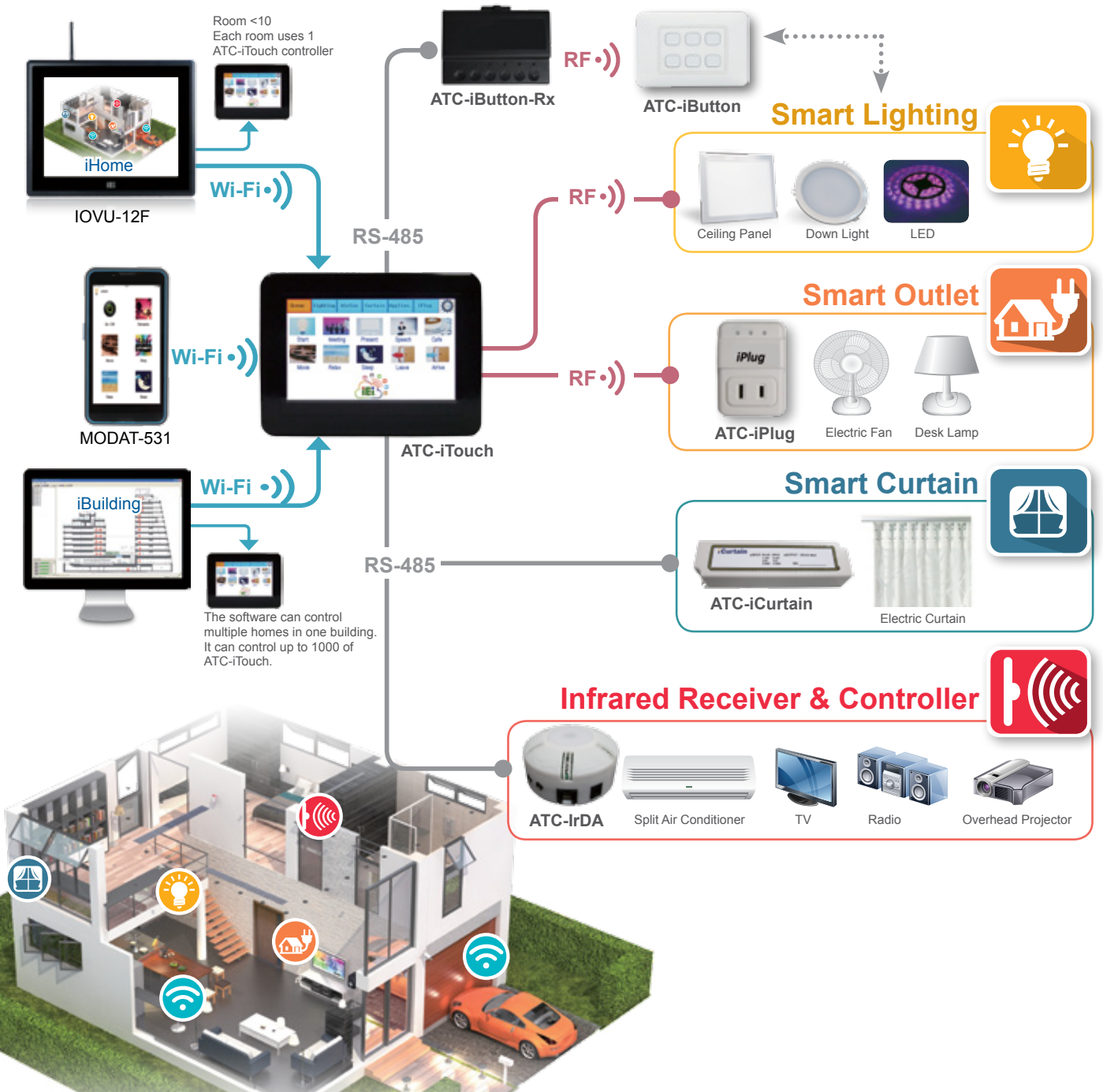
ATC- IrDA

www.icpamerica.com



System Architecture

ICPA smart lighting solution provides you a system that uses 2.4G wireless signal to control multiple light sources. It can manage up to 100 home appliances which are controlled by ATC-iTouch, and ten different group IDs can be set. It is easy and convenient for people to use cell phones or tablet devices to control it. ICPA's smart lighting solution is ideal for offices, factories and large stores to help people save energy and control their lights in a more efficient way.



Smart Home System - Controllers

● ATC- iTouch



Main Controller for Smart Home System

- Provide web server and wireless communication capability for mobile phones and tablets to configure and control
- Allow users to control appliances from outside the home using mobile devices
- Provide app and APK for controlling home devices

| | |
|---|----------------|
| Input Voltage | 12V |
| Power Consumption | 3W |
| Comm. Interface | RS-485 (30 M) |
| Comm. Interface to App | Wi-Fi (TCP/IP) |
| Comm. Interface to RF Lamps & ATC-iPlug | RF (optional) |
| LCD Screen Size | 4.3 inch |

● ATC-iCurtain



Electric Curtain Controller

- Built-in motorized curtain remote control.
- iCurtain is controlled via RS-485.
- Support smart and comfortable motorized curtain from Bintronic
- Simple connectivity, programming and operating.

| | |
|-------------------------------|------------|
| Input Voltage | 12V |
| Frequency | 433.92 MHz |
| Comm. Interface to ATC-iTouch | RS-485 |
| Range of Curtain | 30m |

● ATC- iButton



Light Controller

- Hassle free programming to suit individual customer requirements.
- Multi-way switching without the need to run cables.
- 30-meter range or greater depending on environmental conditions.
- Easy installation, no drilling required.
- Can be installed on existing wall plate.

| | |
|--------------------|--|
| Working Voltage | 3V |
| Battery Type | Two CR2032 lithium batteries |
| Battery Life | 3 years of battery life under normal operation |
| Frequency | 433.92 MHz |
| Transmission Range | 30-meter depending on environmental conditions |
| Coding Method | ASK |
| Temperature | -20°C~+60°C |

● ATC-iButton-Rx



Light Controller

- Connecting to ATC-iTouch via RS-485
- Provide wireless connectivity for ATC-iButton to control wireless lamps

| | |
|-------------------------------|------------|
| Input Voltage | 12V |
| Frequency | 433.92 MHz |
| Comm. Interface to ATC-iTouch | RS-485 |
| Range of Wireless Lamps | 30m |

● ATC- iPlug



ATC-iTouch Plug Controller

- ATC-iPlug is a smart outlet that makes home appliances controllable via RF
- Extension cord is provided to avoid infrared receiver dead zone and extend the distance.
- The home devices plugged into the ATC-iPlug can be controlled through ATC-iTouch using RF technology.

| | |
|-----------------------|--|
| Working Voltage | 100 V ~ 240 V AC |
| Current | 15A |
| Power | 600W (LED load), 1650W (resistance load) |
| Frequency | 50~60Hz |
| Communication | RF4.2G with ATC-iTouch |
| Standby Mode Power | ~1W |
| Operating Temperature | 0°C~40°C |
| Socket | USA type |
| Size (mm) | 58 (L) x 90.65 (W) x 57.40 (H) |
| Weight | 96g |

● ATC- IrDA



Infrared Controller for Split Air Conditioner and Infrared Appliances

- Built-in control codes of well-known air conditioners for easy usage.
- Provide learning mode for unknown air conditioners.
- Besides air conditioners, ATC-IrDA can also control most of infrared products.

| | |
|-------------------------------|-----------|
| Input Voltage | 12V |
| Power Consumption | 3 W |
| Comm. Interface to ATC-iTouch | RS-485 |
| Range of electric devices | 8M (Max.) |

Wireless Lamps

Note: Information listed below is based on the test performed in a normal environmental condition



● Ceiling Panel

| Power Specifications | ATC-SCP2x2-WW-RF | ATC-SCP2x2-CW-RF | ATC-DCP2x2-RF |
|----------------------|----------------------------|------------------|------------------------------------|
| Voltage | 100 V ~ 240 V AC | | |
| Power | 40W±10% | | |
| Current | < 400 mA | | |
| Lumen (±10%) | 3000 lm | 3500 lm | 3000 lm (2700K) 3500 lm (5500K) |
| Color Temperature | 2700K | 5500K | 2700K ~ 5500K |
| Lifespan | > 20000 hours | | |
| Weight | 2.4 kg | | |
| Size (mm) | 595 (L) x 595 (W) x 11 (H) | | |
| Beam Angle | 80° | | |

Environment Specifications

| | |
|-----------------------|---------------|
| Operation Temperature | -20°C ~ +50°C |
| Storage Temperature | -40°C ~ +60°C |
| Operation Humidity | 10% ~ 90% |
| Field Angle | 130° |

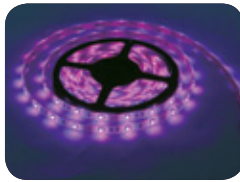


● 8-inch Downlight

| Power Specifications | ATC-SDL206-WW-RF | ATC-SDL208-CW-RF | ATC-DDL208-RF |
|----------------------|------------------|------------------|------------------------------------|
| Voltage | 100 V ~ 240 V AC | | |
| Power | 20W±10% | | |
| Current | < 240 mA | | |
| Lumen (±10%) | 1650 lm | 1800 lm | 1450 lm (2700K) 1850 lm (5500K) |
| Color Temperature | 2700K | 5500K | 2700K ~ 5500K |
| Lifespan | > 20000 hours | | |
| Weight | 392 g | | |
| Size (mm) | Φ235 mm x 84 mm | | |
| Installed Dimension | Φ210 mm | | |
| Beam Angle | 106° | | |

Environment Specifications

| | |
|-----------------------|---------------|
| Operation Temperature | -20°C ~ +50°C |
| Storage Temperature | -40°C ~ +60°C |
| Operation Humidity | 10% ~ 90% |
| Field Angle | 150 |



● LED

| Power Specifications | ATC-LED-MFS-RF |
|----------------------|-------------------------|
| Voltage | 100 V ~ 240 V AC |
| Power | 40W±10% (1 meter: 7.2W) |
| Current | < 3 A (1 meter: < 0.6A) |
| Lifespan | > 20000 hours |

Environment Specifications

| | |
|-----------------------|---------------|
| Operation Temperature | -20°C ~ +50°C |
| Storage Temperature | -40°C ~ +60°C |
| Operation Humidity | 10% ~ 90% |



● 6-inch Downlight

| Power Specifications | ATC-SDL206-WW-RF | ATC-SDL206-CW-RF | ATC-DDL206-RF |
|----------------------|------------------|------------------|----------------------------------|
| Voltage | 100 V ~ 240 V AC | | |
| Power | 12W±10% | | |
| Current | < 120 mA | | |
| Lumen (±10%) | 720 lm | 850 lm | 700 lm (2700K) 800 lm (5500K) |
| Color Temperature | 2700K | 5500K | 2700K ~ 5500K |
| Lifespan | > 20000 hours | | |
| Weight | 230 g | | |
| Size (mm) | Φ180 mm x 77 mm | | |
| Installed Dimension | Φ150 mm | | |
| Beam Angle | 106° | | |

Environment Specifications

| | |
|-----------------------|---------------|
| Operation Temperature | -20°C ~ +50°C |
| Storage Temperature | -40°C ~ +60°C |
| Operation Humidity | 10% ~ 90% |
| Field Angle | 150 |

Ordering Information

| Part No. | Description |
|------------------|---|
| ATC-SCP2x2-WW-RF | Ceiling panel, 60 x 60, 2700k, single color RF dimmable, 40W, 28V DC-in, 110V~240V power adapter with 2.4G RF |
| ATC-SCP2x2-CW-RF | Ceiling panel, 60 x 60, 5500k, single color RF dimmable, 40W, 28V DC-in, 110V~240V power adapter with 2.4G RF |
| ATC-DCP2x2-RF | Ceiling panel, 60 x 60, dual color RF dimmable, 40W, 28V DC-in, 110V~240V power adapter with 2.4G RF |
| ATC-SDL206-WW-RF | 6-inch downlight, 2700k, single color RF dimmable, 12W, 28V DC-in, 110V~240V power adapter with 2.4G RF |
| ATC-SDL206-CW-RF | 6-inch downlight, 5500k, single color RF dimmable, 12W, 28V DC-in, 110V~240V power adapter with 2.4G RF |
| ATC-DDL206-RF | 6-inch downlight, dual color RF dimmable, 12W, 28V DC-in, 110V~240V power adapter with 2.4G RF |
| ATC-SDL208-WW-RF | 8-inch downlight, 2700k, single color RF dimmable, 20W, 28V DC-in, 110V~240V power adapter with 2.4G RF |
| ATC-SDL208-CW-RF | 8-inch downlight, 5500k, single color RF dimmable, 20W, 28V DC-in, 110V~240V power adapter with 2.4G RF |
| ATC-DDL208-RF | 8-inch downlight, dual color RF dimmable, 20W, 28V DC-in, 110V~240V power adapter with 2.4G RF |
| ATC-iTouch | Control central unit, 2.4G RF, RJ-11 (RS-485) connector, 802.11b/g wireless, built-in web server |
| ATC-iButton-3B | 3-light control buttons, RF 433 connect to ATC-iButton controller |
| ATC-iButton-6B | 6-light control buttons, RF 433 connect to ATC-iButton controller |
| ATC-iButton-Rx | ATC-iButton controller, RJ-11 (RS-485) connector, six RF 433 ports, 110V~240V power adapter |
| ATC-irDA | IrDA controller, RJ-11 (RS-485) connector |
| ATC-LED-MFS-RF | LED flex strip, 5 m long, multi-color RF dimmable, 12V DC-in, 110V~240V power adapter with 2.4G RF |
| ATC-iPlug | Outlet with 2.4G RF |