



SmartMyer
Datasheet

2019

Intelligent Master

iMASTER-CTP-i17 Controller



DESCRIPTION

The Intelligent Master is the processing brain, which your smart home needs in order to control all home appliances and connect them by smart logics to live a safe, convenient and energy efficient life.

Given to possibility to store and play the signals of various remote controls without limitation from the RF and IR master controllers. The user can put the device next to the audiovisual systems to play the signals for all the devices without need for extra costs.

New series of Intelligent Master are marketed with stronger processors and open communication network range with a finer design in black and silver.

This product has an internal Wi-Fi network to wirelessly the net and it also has LAN and WAN ports for cable connection.

The internal operating system can be automatically supported and updated through internet connection. The intelligent master has Android and iOS apps. Given the specific coding, all the connections are safe and since the system has an Admin, the access level can be defined for all other users. The controller has a digital temperature and humidity sensor, so that the user can check the temperature and humidity level inside the app at any time and use it to create control logics.

The user can define the scheduling plans and various scenarios in unlimited numbers and all the software and app options are license free.

The new model of intelligent master enables you to control lighting, heating, cooling, audiovisual, electric curtains, smart irrigation and other system. You can also introduce various wireless sensors of other brands as the input to the device.

Free communication system of the device is based on Cloud, where the user would not need complex setting of the network for remote connection. The connection is secured and encrypted using the network security standard protocols, which is now used for internet banking.

You can simultaneously connect to any number of devices using one application and at the same time manage various smart homes.

PRODUCT FEATURES

- Link intelligent master with Gas Detector, Windows and Door sensor, PIR Human Detector and many other sensor to control the air conditioner, lights, curtain and door lock.
- Smart Myer can compatible and link hundreds of devices, you can create your own smart home system as you like.
- Use free Smart Myer app, you can check in your house, control your house appliance anytime anywhere. You can also set your smart scene according to your hobby.
- Wireless Wi-Fi / Wired Cable
- Smart Myer Security Accessories (Door Sensor, PIR human detector) support
- Wireless siren support
- Supporting Security devices
- Support IR Code Library such as Air-Conditioner, TV, STB, ...

TECHNICAL SPECIFICATION

Model Number

- CTP-i17

Embedded Operating System

- Linux Embedded

SmartMyer App License

- License free
- Unlimited User for Android and iOS Devices

Frequency Parameter

- 315MHz , 433MHz , 2.4GHz

Modulation Support

- FSK , ASK , OOK , GFSK , MSK ,GMSK

Power Output Capability

- Max Power +20dBm - 100mW

Sensitivity

- Down to -120 dBm at 1.2 kbps

FSK Bit rates

- Up to 300 kb/s

IR Transmit Carrier Wave Support

- 26KHz - 64KHz

Ethernet ports speed

- 10/100 (802.3u)

Wireless security

- WEP, WPA and WAP2

Communication Protocol

- TCP-IP , UDP

Smart Touch Switch



DESCRIPTION

The Smart Myer smart touch keys are a combination of art and technology to create more comfort for controlling the house lighting. You should just touch any key to turn on the lights. These keys also have the capability to be remotely controlled using cellphone inside or outside the house. There is no need to be worried about the lights on after leaving the house, since the touch keys are always available.

A part of these keys is made of anti-scratch crystal and there is no need to worry about touching the keys with wet hands or cleaning it with wet handkerchief. These keys are provided in white, black and gold colors and support one to three outlet poles.

The keys are designed so that they can be simply replace the common keys and there is no need for extra wiring. The outputs are of high quality relay types and isolated internal circuits with useful life. Since the relays are compact, there would be no sparks at disconnections and so they reduces the fire danger.

The keys connect to the master system at frequencies of 433MHz or 315MHz. This is a mutual connection and the user sends the order and have a real-time control of the touch key on the application.

The smart touch keys can link to other smart keys and create a conversion circuit as a software. They can also be controlled through scenario keys independently. The user can use some simple settings to encrypt the controlling logics on the application so that he can turn the keys on and off on other smart devices such as curtains, outlets...

Other devices can affect the key. This control logic can simply integrated with weekdays and day and night hours. For instance, opening of the smart curtain at sunny hours of the day, which leads to the entrance of natural light inside the building, links to the keys off and thus saves energy consumption.

PRODUCT FEATURES

- High quality crystal tempered glass panel design, never fade.
- With blue LED indicator, very distinguished.
- E-start, no sparking contacts.
- Brand new imported American IC & capacitive touch scene, more superior
- Performance & sensitive touch.
- Overload & overheat protections, make your home safer.
- More humanization design: the lamp is off when the incoming of electricity again, save electricity.
- Silent touch, keep your home or office silence.
- Easy to install, replace the old switch directly.
- Applicable to all the common lamps, such as incandescent, fluorescent lamps, LED lamps and so on.
- Suitable for home, office, hotel, and so on.

TECHNICAL SPECIFICATION

Indoor Communicate Distance

- < 10 Meter

RF Parameter

- 433M/GFSK(Encrypted Wireless)

Rated Power (capacitance load)

- 1 gang : 1500W
- 2 gang : 1000W
- 3 gang : 1000W

Working Temperature

- 0-40°C

Working Humidity

- 10% RH-90% RH (non condensing)

Slave



→ DESCRIPTION

Smart Myer system for smart homes has the capacity to save and play various codes for IR and RF remote controls. That is, you can save unlimited number of remote controls and their buttons on your application without any need to purchase extra hardware for a space with a controlling module, and use it anytime anywhere. The common home appliances such as television, setup box, various audio systems or heating/cooling systems share the same space; all can be controlled together due to the presence of strong 360-degree players.

Slave is a controlling module, which can be placed everywhere in your home since it is small, portable and has a removable battery. Furthermore, slave can extend its communication network for big or multistore projects. It has a digital temperature and humidity sensor, which lets you to observe the temperature and humidity of the room and use control logics. For instance, through some simple setting, the user can write scenarios so that by just pressing a button, the lights will be off for watching movie, television will be on and other orders are automatically sent to the audiovisual systems.

→ PRODUCT FEATURES

- Equipped with temperature and humidity sensor
- Strengthener of radio signals (RF Repeater)
- Equipped with IR Ring For broadcast IR signals to a radius of 8 meters and just 360 degree
- Possibility of learning of all brands that have a remote control (IR Infrared)
- Possibility of controlling of all the equipment that have infrared remote, Including all TV, the satellite and air conditioning brands
- Wireless radio connection with The central controller (Master)
- Equipped with Batteries for Power the system

TECHNICAL SPECIFICATION

→ RF Parameter

- 433M/GFSK(Encrypted Wireless)

→ Battery Life

- Standard Environment 2 years

→ Working Temperature

- 0-40°C

→ Working Humidity

- 10% RH-90% RH (non condensing)

→ Indoor Communicate Distance

- 30 meter

Scene Switch



DESCRIPTION

The scenario key is used to perform a scenario at smart home. First, the Smart Myer application sets the related events in the scenario by some simple clicking and links the scenario to one of the keys. The scenario keys at portable models can be anywhere due to the presence of internal battery. However, the smart touch scenario keys are like light keys and are placed at junction boxes. The scenario keys are provided in various models.

PRODUCT FEATURES

- One button controls multiple house appliances. Even the young and old can handle smart home easily.
- One button to turn on/off one or multiple lights.
- One button to launch back home/leave home scene.
- Works with sound light siren, Scene switch can be the button of doorbell.
- Support home center: Intelligent Master

TECHNICAL SPECIFICATION

Power Supply

- 3V CR-2032

Battery Life

- Standard Environment 2 years

Working Temperature

- 0-40°C

Working Humidity

- 10% RH-90% RH (non condensing)

Indoor Communicate Distance

- 30 meter

Product Size

- 82x82x15 (mm)

RF Parameter

- 433M/GFSK(Encrypted Wireless)

Touch Scene Switch



DESCRIPTION

The scenario key is used to perform a scenario at smart home. First, the Smart Myer application sets the related events in the scenario by some simple clicking and links the scenario to one of the keys. The scenario keys at portable models can be anywhere due to the presence of internal battery. However, the smart touch scenario keys are like light keys and are placed at junction box. The scenario keys are provided in various models.

PRODUCT FEATURES

- One button control multiple house appliance. Even the young and old can handle smart home easily
- One button to turn on/off one or multiple lights.
- One button to launch back home/leave home scene.
- Work with sound light siren, Scene switch can be the button of doorbell.
- Support home center: Intelligent Master

TECHNICAL SPECIFICATION

Power Supply

- 220VAC

Working Temperature

- 0-40°C

Working Humidity

- 10% RH-90% RH (non condensing)

Indoor Communicate Distance

- 30 meter

RF Parameter

- 433M/GFSK(Encrypted Wireless)

Smart Thermostat



→ DESCRIPTION

Heating and cooling systems are the most costly home appliances in terms of energy consumption all over the world. Moreover, these devices have a direct effect on the comfort of the residents at a smart home. This is highly important due to having a smart control and the optimum consumption.

Using smart thermostats, Smart Myer can optimize the energy consumption using control logics or timing schedule.

Remote control of the device using your cellphone application let you to control heating/cooling systems while you are out of your smart home. For instance, you can turn on the heating/cooling systems a few minutes before getting home to have good temperature at home.

This product has three remote fan relay output up to three amps. Moreover, the relay output of the electric faucet or pump, which will be on when each of fan control relays are one, helps the device to be good for controlling various cooling or heating system. Summer and winter mode setting and wide thermal range are among the other advantages of this product.

→ PRODUCT FEATURES

- Online/offline feedback
- Support home center: Intelligent Master

TECHNICAL SPECIFICATION

→ RF Parameter

- 433MHz

→ Working Voltage

- 220V

→ Working Temperature

- 0-40°C

→ Working Humidity

- 10% RH-90% RH (non condensing)

→ Communicate Distance

- Indoor > 30m, Outdoor > 50m (depend on the environment)

Video Door Phone Gateway



→ DESCRIPTION

Imagine you could monitor your guests, talk to them and open the door for them while you were out of the house. Smart Myer has made your dreams come true. You can easily install the module to the video door phone monitor and its software on your cellphone so that you can have video call with your guests everywhere. The device has internal Wi-Fi or RJ45 sockets to be connected to internet.

This device has two models:

The first model of video door phone, four wires can be connected to the device. You just need to connect the video, audio, positive and negative wires at the back of the door phone to the module.

The second model fits the CAT5 video door phones. You can install the system only by connecting a net cable at the back of the internal monitor to the module.

On the application, the device can connect through Cloud and there is no need for complex net setting. The application also enables you to take the photo or video of the ones at the door. This provides more security for you and your family by simulating your presence at home.

TECHNICAL SPECIFICATION

→ RF Parameter

- 2.4GHz Wi-Fi

→ Working Voltage

- 220V

→ Working Temperature

- 0-40°C

→ Working Humidity

- 10% RH-90% RH (non condensing)

→ Size

- 160x100x23 (mm)

→ N.W

- 350g

Motion Sensor



→ DESCRIPTION

The new generation of Smart Myer motion sensors with a more beautiful and smaller design enables you use them more conveniently. It has also removable batteries for more convenience in installation and running and higher security of the product. After changing the batteries, the user has no need to change batteries for two years. High sensitivity and range of the product has led to its use for security and creating control logics at your smart homes. The user can easily control the smart home using the control conditions integrated with motion sensors. For instance, the device can be set so that at sleep time, when the security system is inactive, any motion leads to lights on. Another advantage of the product is that, it calibrates itself and works efficiently with a wide range of light intensity during the day and night. The product is in a wireless and mutual connection with the master controller so that the use can be informed about the battery usage and condition. This connection is on the net is secure and dedicated encryption of Smart Myer with an extremely high range.

→ PRODUCT FEATURES

- Support home center: Intelligent Master
- Lower Battery Warning
- Battery Duration: Standard environment 2 year

TECHNICAL SPECIFICATION

→ RF Parameter

- 433M/GFSK(Encrypted Wireless)

→ Battery Life

- Standard Environment 2 years

→ Working Temperature

- 0-40°C

→ Working Humidity

- 10% RH-90% RH (non condensing)

→ Indoor Communicate Distance

- 30 meter

→ Product Size

- 100×70×45 (mm)

→ Power Supply

- AAA battery (3)

→ Communicate Distance

- Indoor> 30 (m)

→ Detect Range

- Horizontal 30 Vertical 110< 7m

Door Sensor Magnet



→ DESCRIPTION

The windows and doors sensor is one of the most common security devices, the use of which at Smart Myer products is not limited to these cases. You can use magnet to improve the security of your home and also set your favorite logics on your cellphone app and add other conditions such as timing, temperature, humidity and others. For instance, you can link the window sensor to the air conditioning system so that it opens the windows at any time of the day or night by increase in room temperature.

The communicating system of the product makes it possible to monitor the internal battery or the opening or closing of the doors at any time. The integration of the wireless connection with small design has facilitated the installation and running for the users. This product has two parts, one of which is installed on the doorframe and the other on the door. These two parts are separated when the door opens and the user can use his own security alarms or control logics.

→ PRODUCT FEATURES

- Check in with the doors and windows status to see if they were closed.
- When you open the door of your house, the lights will turn on automatically.
- When kids enter into danger area, you will receive timely warning.
- When there is break-in, you will receive timely warning.
- Support home center: Intelligent Master
- Real time feedback

TECHNICAL SPECIFICATION

→ Battery model number

- CR-2450 lithium battery

→ Battery Life

- Standard Environment 2 years

→ Working Temperature

- 0-40°C

→ Working Humidity

- 10% RH-90% RH (non condensing)

→ Indoor Communicate Distance

- 30 meter

→ Product Size

- Main body 59×35×15 (mm), Magnetic body 36×13×12 (mm)

→ RF Parameter

- 433M/GFSK(Encrypted Wireless)

→ Communicate Distance

- indoor> 30M, Outdoor>50M

Alarm Flasher



→ DESCRIPTION

Alarm flasher is a product used to play the alarm/siren sound. A red light flashes when the alarm activates to draw more attention. This product can also be used as the doorbell or for calling the servants.

Smart Myer system for smart homes enables the users to select their favorite siren sound or alarm melody and to set the volume. Given the smart design of the product, what the users need to do is to plug it into to outlet and use it.

→ PRODUCT FEATURES

- Work with Windows and Doors Sensor, PIR human detector, Gas detector and many other security devices to be the warning voice of these devices.
- Work with Scene Switch, the Sound Light siren can be the doorbell.
- You can choose door bark as siren voice, and choose the music and volume of doorbell.
- Loud Siren and red warning light can scare thief away.
- Online/offline feedback
- Support home center: Intelligent Master

TECHNICAL SPECIFICATION

→ Product Name

- Alarm Flasher

→ RF Parameter

- 433M/GFSK(Encrypted Wireless)

→ Working Voltage

- 220V

→ Working Temperature

- 0-40°C

→ Working Humidity

- 10% RH-90% RH (non condensing)

→ Communicate Distance

- Indoor > 30m, Outdoor > 50m (depend on the environment)

→ Product Size

- 110x70x68 (mm)

Smart Valve



DESCRIPTION

The necessity to manipulate the mechanical valves of the smart home is not limited to the automatic irrigation system. In some houses, there is a high risk of gas leakage and fire due to various heating systems or gas stoves. The smart home system can prevent any possible disaster by manipulating the main gas valve and receiving the signals of gas leakage sensors.

As it is known, fire is composed of three main ingredients, lack of one of which leads to stop the fire. These three elements are oxygen, heat and fuel. In case of gas leakage, the smart home system removes the third ingredients, the fuel, and prevent fire or any explosion due to gas accumulation. This type of prevention is more cost-effective than putting the fire off using sprinkler system.

This product can also be used in case of water leakage or water pipe bursting by water leakage detection sensors. Due to creative design of the product, there is no need to change the building piping system for its installation. You should just install it on the mechanical valve of the home and control it through cellphone app, even when you are traveling.

PRODUCT FEATURES

- Anti-electromagnetic-interference, no-spark design.
- With auto-manual shift clutch.

TECHNICAL SPECIFICATION

Product Name

- Valve Controlling Manipulator

RF Parameter

- 433MHz

Working Voltage

- 220V

Working Temperature

- 0-40°C

Working Humidity

- 10% RH-90% RH (non condensing)

Communicate Distance

- Indoor > 30m, Outdoor > 50m (depend on the environment)

Torque

- 30~60Kg.cm

Automatic Valve-closing time

- 5~10 seconds

Electric valve-opening time

- 5~10 seconds

Rated current

- 100mA

Valve pressure

- 1.6Mpa

Valve specifications

- 1 inch, 1.25 inch, 1.5 inch

Smart Outlet



→ DESCRIPTION

Smart outlet is a combination of the art of industrial design and high tech. The product is beautifully designed so that this tiny device can be easily used everywhere or with other devices.

You should just plug it in to a normal outlet to have a smart outlet and then control every electric device. This product is used to control non-smart home appliances such as coffee maker or any electric device requiring timing. It has also other advantages. The recent model enables you to measure the electricity consumption of the device connected to the smart outlet and see it on your cellphone application. This would help the users to have better planning for electricity usage.

Users can use Cloud technology to have access to Smart Myer application and control the smart outlet from anywhere all over the world.

→ PRODUCT FEATURES

- Online/offline feedback
- Support home center: Intelligent Master

TECHNICAL SPECIFICATION

→ RF Parameter

- 2.4 GHz Wi-Fi

→ Working Voltage

- 220V

→ Working Temperature

- 0-40°C

→ Working Humidity

- 10% RH-90% RH (non condensing)

→ Communicate Distance

- Indoor > 30m, Outdoor > 50m (depend on the environment)

