

# Integrate HVAC systems with Home Automation & BMS

## CoolMasterNet Universal HVAC Bridge



New

## Advanced bridge for the integration of Air Conditioning systems

**CoolMasterNet** is a unique hardware solution for a seamless integration of the advanced **VRF / Split** air conditioning systems and Home Automation / BMS controllers.

Interfacing Home Automation controllers by **Control4, Crestron, AMX, RTI, Savant, Vantage, HDL** and similar, through CoolMasterNet's built in RS232, RS485 and ethernet communication ports, will provide home end users with full control and monitoring of air conditioning indoor units by **Daikin, Mitsubishi, Samsung, Toshiba, Fujitsu, LG, Hitachi, Gree** and similar. Air conditioning control will now be implemented from same Home Automation controller of which other tasks, like lighting, shades, security are controlled.

It will also enable service providers to access HVAC's

most essential parameters required for diagnostic and service purposes.

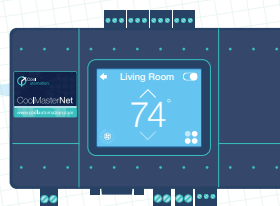
Home Automation integrators and HVAC installers, when using CoolMasterNet will not have to worry anymore about the complexity of those advanced HVACs and to deal with their complicated communication protocols. Integration and installation process will be straight forward since CoolMasterNet is a real plug & play solution.

Connecting CoolMasterNet to the Internet as a standalone device will enable end users and service providers when using Smartphones, Tablets or PCs to remotely access and control those advanced VRV / Splits HVACs via **CoolRemote** (coolremote.net), CoolAutomation's cloud based solution.

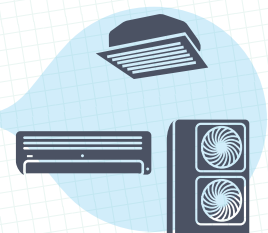


Home Automation / BMS

### CoolMasterNet



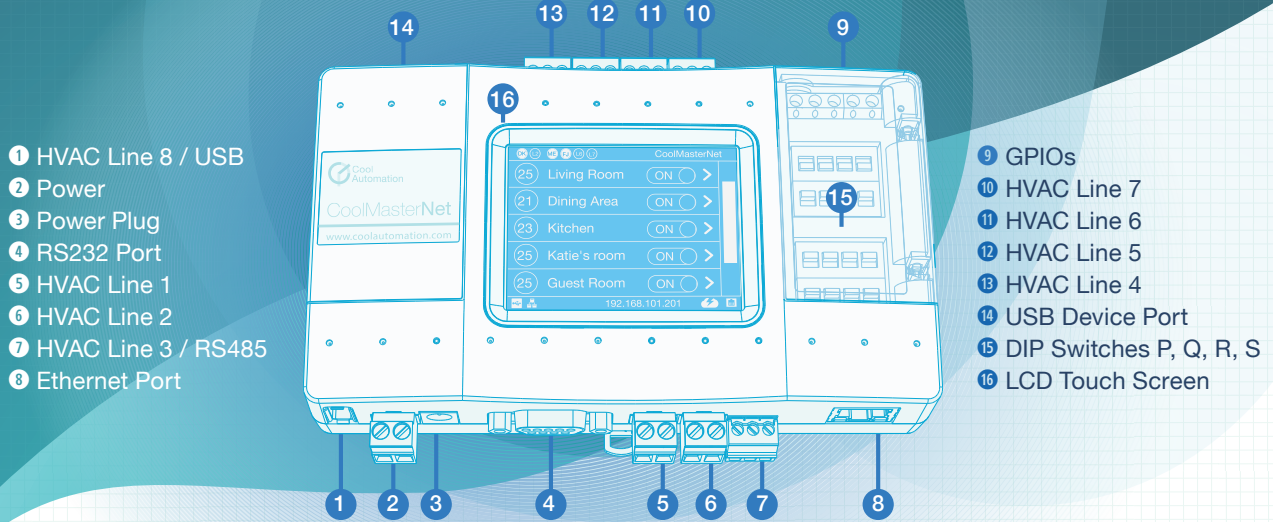
Universal HVAC Bridge



HVAC Systems

# CoolMasterNet

## Universal HVAC Bridge



- 1 HVAC Line 8 / USB
- 2 Power
- 3 Power Plug
- 4 RS232 Port
- 5 HVAC Line 1
- 6 HVAC Line 2
- 7 HVAC Line 3 / RS485
- 8 Ethernet Port

- 9 GPIOs
- 10 HVAC Line 7
- 11 HVAC Line 6
- 12 HVAC Line 5
- 13 HVAC Line 4
- 14 USB Device Port
- 15 DIP Switches P, Q, R, S
- 16 LCD Touch Screen

-  Seamless integration of HVAC systems with all Home Automation / BMS controllers.
-  HVAC systems diagnostics (option).
-  Major HVAC brands support e.g. Daikin, Mitsubishi Electric, Samsung, Gree, Hitachi, LG, Mitsubishi-Heavy, Panasonic/Sanyo, Toshiba, Fujitsu and others.
-  Direct KNX connection via KNX extension board (option).
-  Interfaces via RS232 (ASCII), RS485 (MODBUS RTU), Ethernet (ASCII & MODBUS IP) for all HVAC brands.
-  SDDP — support for automatic drivers detection and installation
-  Simultaneous and unified multi-brand HVAC support.
-  Cloud integration by API (future option).
-  Touch screen display, for system management and control.
-  Full control & monitoring of HVAC indoor units operation.
-  Configurable I/O's.
-  CoolRemote.net — remote access by Smartphone, Tablet and PC. (<http://coolremote.net>)

