

# CCN Gateway

CCN gateway translate Carrier® proprietary CCN protocol to open protocol like Modbus/BACnet. Now it supports almost all Carrier devices: 19XL/19XR, 23XL/23XR/30HXC/30XW, 30RA/RB/XQ, 16D/16J and so on.

Each CCN gateway support 1~16 ccn devices, by connect them together by RS485 network, and config each device with different CCN address. CCN gateway could map all data in status and maintenance table. There are no point number limit. It support write operation. The poll rate could be defined as fast as 1 second for realtime application, for example variable water volume, condensing pressure control.

The configuration UI is Web, user could setup it easily by PC or notebook with web browser.



## Specification :

**Power:** 12~24V, DC/AC, 3VA, removable 2 wires terminal block. DC 5V Mini USB socket.

**Resource :** CPU 32bits 600Mhz, Ram 64M, Rom 8M

**Size:** 121mm\*75mm\*29mm

**Operate:** -10°C~80°C, 0 to 95%, no condensate

**Storage:** -40°C~90°C, 0 to 95%, no condensate

**Ethernet:** RJ45, auto 10/100M, auto MDI-X

**RS485 (2):** Removable 2 wires terminal block. 1200~115200bps, 1/8 unit load, 1200m line length(900m when 115200bps), 1500V isolated, 15kv air/8kv contact ESD protection. Dip switch for 510Ω bus bias and 120Ω terminator.

**Button:** Reset

**LED:** Red for power, blue for status. For each RS485, blue for send, red for receive. Green for ethernet.

**CCN:** 9600, 19200, 38400bps,

**Modbus:** Slave. TCP; RTU/ASCII, 2400~115200bps, Odd/Even/No parity.

**BACnet:** MSTP master: 9.6~115.2kbps. IP, Ethernet.

**Accessory:** 3 plugs of 2-wire terminal. Mini USB cable

**Optional accessory:** Power adapter(input: AC100~240V 50/60 HZ, output DC12V 1A), 1.5m cat-5 cable, screwdriver

**Certification:** CE, FCC