IP8100-HS

Smart Home Server

The IP8100-HS (Home Server) is the central node of the smart home. It has two WAN ports:

- WAN1 is for connecting home occupant's Router for the communication of IP extensions and the roaming IP extensions outside.

- WAN2 is linked to the Complex's central Router/Switch and then connect to IP-PBX or Server to communicate with any other devices in the complex.

The IP8100-HS has one PSTN port to link with traditional telephone line. Therefore, all the IP extensions of IP8100-HS can make a call and answer a call from the normal telephone line, IP Trunk line of ITSP or IP Video Door phone from the complex or calling from administration office.

In addition to the above communication functions, IP8100-HS also has 8 sensors (DI) and 4 Relays (DO) for Home Security and Home Automation purpose. Its RS232 port can be linked with external RS485 interface devices through RS232/RS485 converter for more advanced Home Security and Home Automation applications as well.

Mechanical Specifications	
Body Material	Aluminum Alloy
Color	Black
Mounting	On Wall
Dimension	135.4 (L) x 144 (W) x 28 (H) mm
Weight	500g (with power adapter)

Key Specifications	
WAN Ports	2
IP Trunk Lines	2
IP Station Ports	16
PSTN (FXO)	1
RS232 Port	1
Sensor Input	8
Relay Output	4

Electrical Characteristics		
Power Supply		
	Input	100~240VAC / 0.4A / 50~60 Hz
	Output	+5 VDC / 2A
Consumption		10W
PoE (Input)		IEEE 802.3af Standard / Class 2 (Optional)
Relay Resistive Load		30VDC / 1A
Sensor		Open Loop Impedance : > 1K ohm
		Close Loop Impedance : < 100 ohm

Environmental Specifications	
Max / Min. Temperature (operating)	0º to 40º C
Max / Min. Temperature (storage)	-40º to 66º C
Humidity	0 to 85% relative

Wiring Specifications	
WAN/LAN	
Connection Cable Length	< 100M (Ethernet)
Connection Cable Spec	0.5 mm (Min.) ; <90 ohms/Km; 50nF/Km; Cat 5. (Min.); Twist Pair
RS232	
Connection Cable Length	< 15M (50 ft.)