



- Environmental Monitoring
- Power Distribution Unit (PDU) Switching & Monitoring
- Door Sensors
- Remote Management via free browser based management software
- Manage up to 32 cabinets from 1 x IP address using one network switch port

For mission critical data centres, the ability to **remotely manage the cabinet environment** is vital. Environmental issues with cabinets, including high temperature & humidity, smoke, water leakage, physical threats, unauthorised door access, power and cooling inefficiencies can have a significant impact on operational performance and efficiency.

InfraGuard features include **switching and monitoring of PDUs**, two **door** and two **side panel alarms**, control of cooling **fans**, monitoring of **temperature** and

humidity, as well as **smoke, shock** and **water** alarms.

The box itself includes two large visual LED temperature monitoring windows. A further two other temperature monitors are also available directly from each PDU (the values from which can be viewed either via the software or on the PDU LCD screen itself) giving a potential of 10 temperature & humidity sensors per cabinet.

One InfraGuard master box and IP address allows the connection (via cascade) to 15

slave boxes. Free web based Graphic User Interface (GUI) **management software**

(IGM-03) then allows up to 30 master box connections or control of 480 slave boxes. Under "One Box Two Cabinets" scenario, **environmental remote management** up to 960 cabinets can be achieved giving flexible scalability.

Utilising the same GUI up to 1920 x kWh PDU and the same quantity of Fan Units can be remotely managed by the management software.



CONTROL BOX

AH-IG-EC300M	EC-300M InfraGuard Master Control Box
AH-IG-EC300	EC-300 InfraGuard Slave Control Box (Up to 15 can be cascaded from a Master Box)
AH-IG-EC14A	ECP-4A Optional Dual Power Input for InfraGuard & InfraSolution, 4A @ 12V

SENSORS

AH-IG-TH012M	IG-TH01-2M Temperature & Humidity Sensor, 2m cable
AH-IG-TH014M	IG-TH01-4M Temperature & Humidity Sensor, 4m cable
AH-IG-T012M	IG-T01-2M Temperature Sensor, 2m cable
AH-IG-T014M	IG-T01-2M Temperature Sensor, 4m cable
AH-IG-S011M	IG-S011M Smoke Sensor, 1m cable
AH-IG-S013M	IG-S013M Smoke Sensor, 3m cable
AH-IG-V011M	IG-V01-1M Shock Sensor, 1m cable
AH-IG-V013M	IG-V01-3M Shock Sensor, 3m cable
AH-IG-W013M	IG-W01-3M 5m Rope Type Water Sensor, IP68 connection, 3m Cat6 cable
AH-CLB-IX-002	IG-CLB-IX-002 LED Light Bar, 2m cable
AH-CLB-IX-004	IG-CLB-IX-004 LED Light Bar, 4m cable
AH-IG-FB031	IG-FB03-1M Flashing LED Beacon, 1m cable
AH-IG-FB033	IG-FB03-3M Flashing LED Beacon, 3m cable
AH-IG-DSI-2M	IG-DSI-2M Inductive Door Sensor, 2m cable
AH-IG-DSI-4M	IG-DSI-4M Inductive Door Sensor, 4m cable
AH-IG-DSW-2M	IG-DSW-2M Mechanical Door Sensor, 2m cable
AH-IG-DSW-4M	IG-DSW-4M Mechanical Door Sensor, 4m cable

SOFTWARE

AH-IG-M03	IGM-03 InfraGuard Management Software
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InfraGuard features include switching and monitoring of PDUs, see InfraPower datasheet for PDU variants.

Sensor/ Integrated Device	Door Sensor	Smoke Detector	Shock Sensor	LED Lamp	Water Sensor	Temp. & Humidity Sensor	Flashing LED Beacon	Alarm Board 3rd Party	Integrated PDU In Daisy Chain	Integrated Fan In Daisy Chain
Qty	4	2 in any combination		2	2	2	1	1	4	4