



The Liebert® RDU-A G2 serves as the communication gateway for the equipment and the Liebert® RDU-M solution. It intelligently collects and communicates data and commands, giving IT administrators a comprehensive view of what's happening at the equipment level of the facility.

### vDvPuv

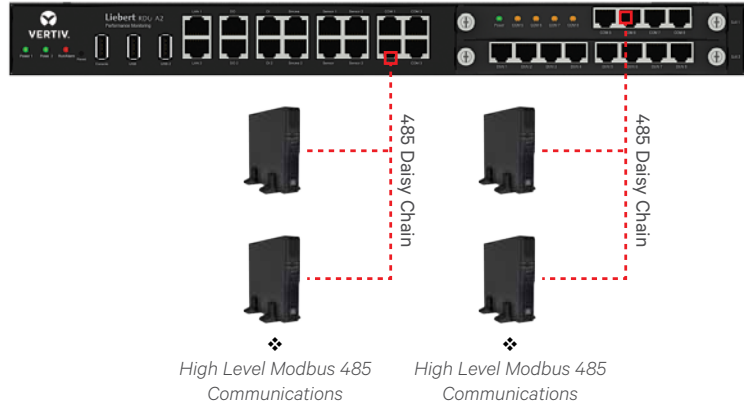
DvID  
uuvv

ovv  
huo            voo  
DUooDU  
D  
  
vv  
vo                    u  
vPov  
ulouuu

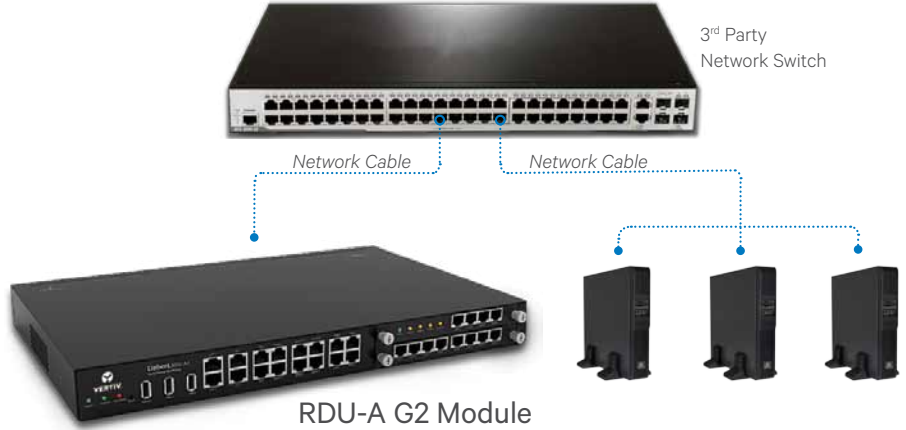
Dv  
uuuv  
vvvvu  
hduuu  
oooo

*Note: If communicating to a 3<sup>rd</sup> party device, will need to get SNMP MIB File for SNMP communication and Modbus Reference Library for Modbus communication to build driver. This will incur additional charges.*

### Modbus 485 Communications



### SNMP Communications



## Video surveillance

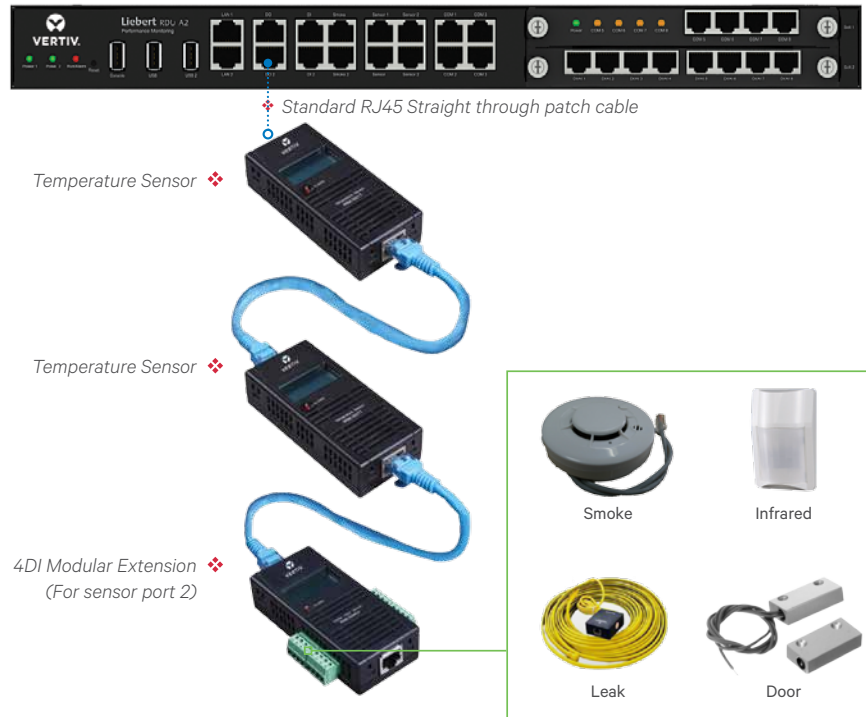
1. Directly connect 1 x IP Camera
2. Connect 4 x IP Cameras via NVR

**Environmental:**

1. Temp and Temp/Hum Sensor

- i. By default (without the optional THUB) it can support up to 32 sensors
- ii. When THUB is connected, total maximum will be 80 sensors
- iii. Sensor Port 1 can only support Temp and/or Temp/Humid Sensor (max 16)
- iv. Sensor port 2 supports 16 knots. When 2 x 4DIF sensors are connected with all of the ports used, this will be considered as 10 knots (2x4DIF + 8 Sensors), the remaining 6 knots can be used for T /TH sensors.

*Note: Each knot is considered to be 1 Sensor EXCEPT for the Smoke and Infrared Sensors which is considered to be 4 knots each.*



2. Digital Input Sensor (Door Sensor, Water Leak Sensor, Smoke Sensor, Motion Sensor, Vibration Sensor)

- i. By default (without the optional 8DIAI Extension card) it can support up to 12 (8 of the 12 will be coming from 4DI sensor connected to the Sensor Port).
- ii. When 2 pieces of 8DIAI cards are connected, maximum of 28 Digital Input Sensors

3. Analog Input Sensor

- i. Maximum of 16 inputs using 2 pieces of 8DIAI optional card

4. Analog Output

- i. Maximum of 16 outputs using 2 pieces of 8DOAO card

5. Digital Output

- i. Maximum of 18 (2 default digital output + 16 from 2 pieces of 8DOAO card)

*Note: When using Smoke and Infrared Sensors, it is considered to be 4 knots each or an equivalent of 4 sensors each.*

**Environmental:  
RDU-THUB**

1. 16 Sensor port extension hub

- i. Each sensor can have up to a maximum of 3 sensors each.
- ii. Each of the sensor ports can only accept Temperature and/or Temperature/Humidity sensors (This cannot accept DI sensors or any 4DI/4DIF)
- iii. Maximum of 48 sensors in 1 RDU-THUB. Total maximum when connected to the RDU-A G2 will be 80 sensors (32 on RDU-A G2 + 48 on RDU-THUB)
- iv. 1 RDU-A G2 can only support 1 RDU-THUB

**RDU-A Generation 2**

❖ Can connect to any RS485 port of RDU-A G2



❖ Standard RJ45 Straight through patch cable

**RDU-THUB**



❖ Standard RJ45 Straight through patch cable



## Mechanical Specifications

External model	Measurement	Value	Error
RDU-A G2	Height	43mm	<±0.5 mm
	Width	440mm	<±1 mm
	Depth	311mm	<±1 mm
	Weight	<8kg	
IRM-4COM IRM-8DIAI IRM-8DOAO	Height	20mm	<±0.5 mm
	Width	158mm	<±1 mm
	Depth	199mm	<±1 mm
	Weight	<1kg	

## Environment Conditions

Item	Requirement
Application location	Usually in data center or computer room, with air conditioner
Working temperature	-10°C ~ +60°C
Relative humidity	5%RH ~ 95%RH, no condensing
Working environment	Dust: compliant with the indoor requirements of GR-63. No corrosive gas, flammable gas, oily mist, steam, water drops or salt
Air pressure	70kpa ~ 106kpa
Storage temperature	-40°C ~ +70°C
Cooling	Natural cooling
Power distribution network	TT/TN
Protection level	IP20

## Performance Specifications

Ports	Cable standard	Distance (unit: m)
SENSOR1	Standard category 4 twisted-pair cable	≤ 100
SENSOR2	Standard category 4 twisted-pair cable	≤ 100
DI ports	Standard category 4 twisted-pair cable	≤ 100
DO ports	Standard category 4 twisted-pair cable	≤ 100
COM ports	Standard category 4 twisted-pair cable	≤ 100

**Product Certificate:** RDU-A G2 satisfies CE allege.