

IMS102/IMS202

Information Management System



IMS102/IMS202 Information Management System


The Information Management System (IMS) runs the IMS service that sequences the Air Data Routers (ADR) to route the air packets from individual test areas to the Sensor Suite (SST) where it is sampled and measurements recorded. Data from the ADR and SST is uploaded to the IMS. With a BACnet® interface, the IMS also serves as the integration hub for data from the Building Automation System (BAS) and any independent ventilation control system. This data is incorporated in the desired room-level control strategy, and collected, merged with ADR and SST data, and uploaded to MyAircurity.com.

Security Summary

Aircuity employs Transport Layer Security (TLS) with 256-bit encryption. This requires Port-443 outbound only access on firewall, the same port used to securely access the Internet (https). The system can be further secured by configuring firewall to only connect with api.myaircurity.com.

Features

 Small form factor


 Fanless embedded system

 Intel® based processor, solid-state drive

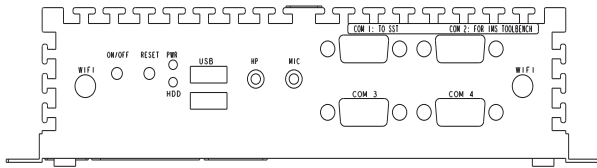
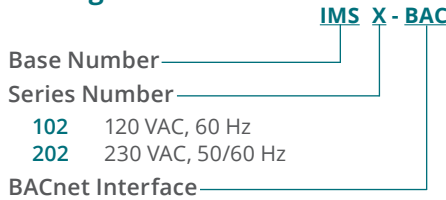
 All power, port and network connections neatly organized

Integral wall mounting bracket

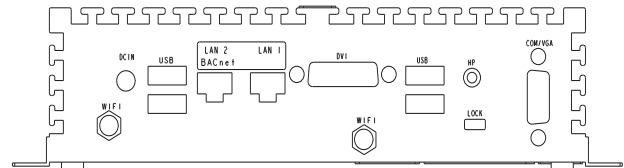
 All necessary software pre-installed

 BACnet™ client capable for select inbound traffic

Ordering Guide

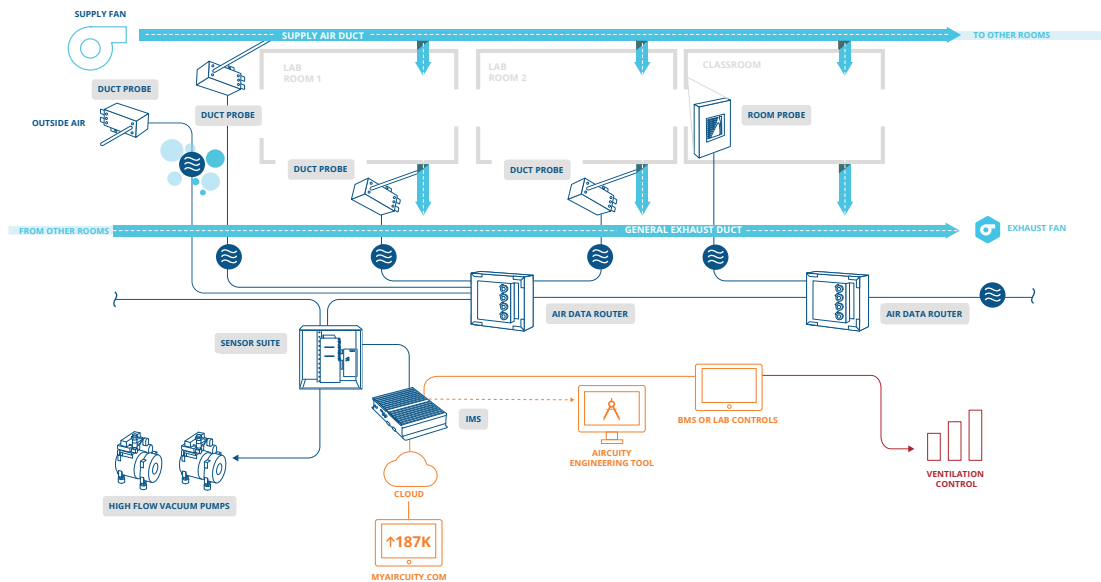


Front Panel I/O



End Panel I/O

Aircuity Platform



Specifications

- Processor** Intel Celeron Quad-Core: 1.83GHz
- Memory** 8GB DDR3L-1333
- Internal Storage** 2.5" SATA2 Drive
- Video** Onboard DVI/VGA
- I/O Ports**
- 4 - Serial RS-232
- 5 - USB 2.0 Ports, 1 - USB 3.0 Port
- 2 Ethernet Ports** 10/100/1000 MB, RJ-45 Connector
- Environmental Conditions**
- Operating temperature:** 32°–104°F (0°–40°C)
- Storage temperature:** -4°–185°F (-20°–85°C)
- Operating humidity:** 5–95% RH (non-condensing)
- Storage humidity:** 5–95% RH (non-condensing)
- Operating System** Windows 10 64-bit
- Dimensions with wall mount brackets**
- 8.28"L x 5.60"W x 2.0"H
- (21.03 L x 14.22 W x 5.08 H cm)

Chassis Description

Powder coated steel case with wall mount brackets. LED power indicator.

Electrical

For IMS 102 Series - Power Consumption: 120 Vac, 60 Hz, 216 VA
For IMS 202 Series - Power Consumption: 230 Vac, 50/60 Hz, 414 VA

Network Communications

Interface: Aircuity Network RS-485 through RS232 converter
Speed: 19.2K baud
Facility Interface: Ethernet 10/100/1000 MB

Regulatory Compliance

FC Part 15 Class A
 CE