

COMMANDSENSE™

With CommandSense by Big Ass Fans, achieving full-facility comfort has never been easier. Our completely automated system does all the work for you thanks to its smart, sensor-driven logic that adjusts to environmental changes in real-time—increasing occupant comfort and productivity all while reducing energy costs.



KEY FEATURES

- ▶ **Mitigate heat stress** by up to 60% through smart, sensor-driven automation
- ▶ **3.5 times less annual operating costs** than a traditional HVAC system
- ▶ **Convenient dashboard** provides real-time remote monitoring and fault-clearing capabilities
- ▶ **Temperature and occupancy sensors** automatically adjust fans and heaters as temperatures change
- ▶ **Expert commissioning** with recommendations for system improvements
- ▶ **Boost productivity up to 50%** and improve workforce efficiency, morale, and safety

COMPATIBLE PRODUCTS

**BIG ASS HVLS FANS
UNIT AND RADIANT HEATERS
EXHAUST FANS/INTAKE LOUVERS**

SECURITY

**PASSWORD
PROTECTION**

INTERFACE

**REAL-TIME MONITORING
REMOTE ACCESS
FAULT CLEARING**

EFFICIENCY

**4.9X LESS ENERGY
THAN HVAC**



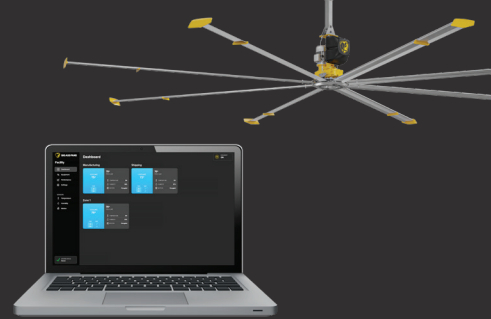
**COMFORT WITHOUT
COMPROMISE**

**DISCOVER MORE
ABOUT COMMANDSENSE**

Learn more at bigassfans.com/commandsense
or call **877.BIG.FANS** for a free custom quote.

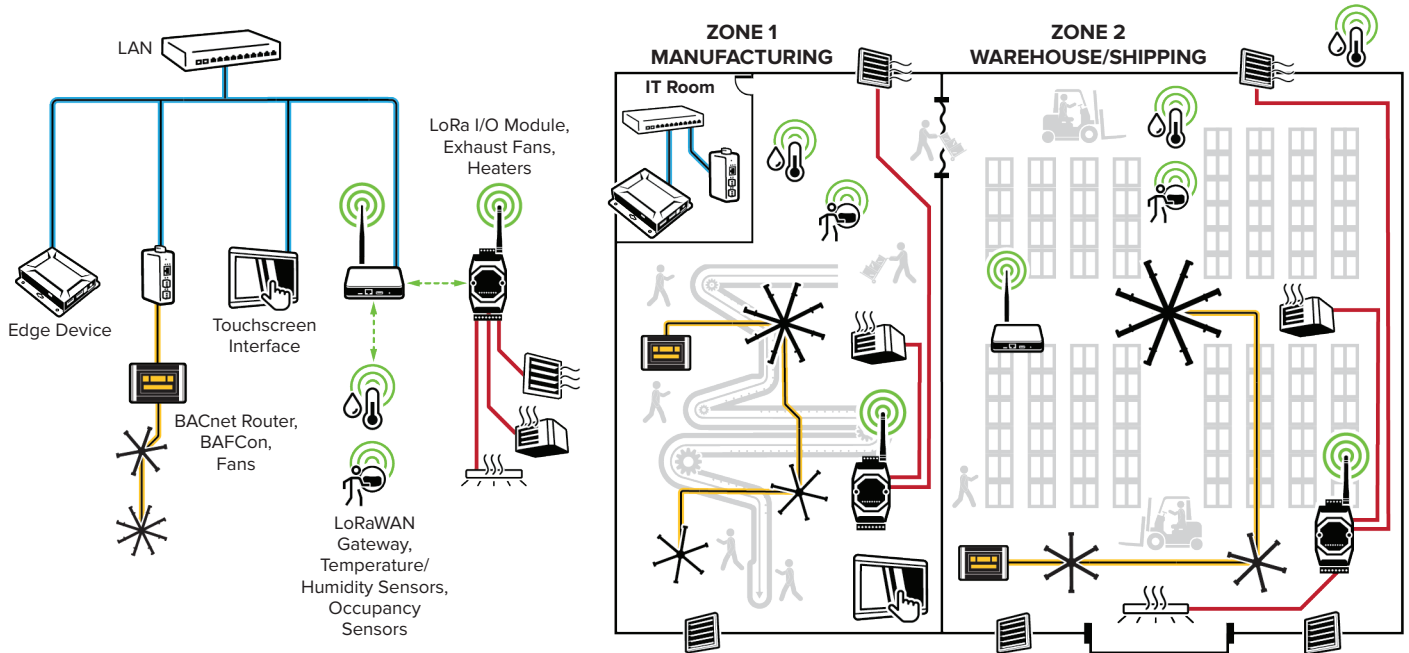
COMMANDSENSE™

MORE COMFORT. MORE PRODUCTIVITY. MORE SAVINGS.



System Overview

- A network of routers and wireless devices enables automation of all Big Ass fans, heaters, and exhaust fans in each unique zone of your facility.
- Wireless sensors enable the system to automatically adjust to zone-specific environmental changes throughout the day.
- A touchscreen interface mounted in a convenient location provides real-time system monitoring and control.
- BAFCon controllers provide manual control of the Big Ass fans in each zone when needed.



Technical Specifications and Features

Power Input	Compatible Products	Multi-Zone Comfort	Control Features	Security	Big Ass Advisory Service
120/240 V, 1 Φ, 50–60 Hz @ 1 A	Big Ass HVLS fans Unitary forced-air heaters Radiant tube heaters Mechanical exhaust fans and intake louvers	Control employee comfort in multiple zones within your facility with unique setpoints, scheduling, and other performance parameters	Grouping Scheduling Control Override	Password protection allows for multiple tiers of control and feature sets Modern encryption ensures secure connections Wireless sensor system architecture	After installation, our applications engineers will monitor your system and provide recommendations for further improving the efficiency and comfort in your facility. Service includes setup and commissioning, data collection and monitoring, parameter adjustment recommendations, and system calibrations as facility layouts change.

Components

Communication Components	Wireless Input Sensors	Control System Interface	Communication Protocols	Local Control
Edge device provides communication between system components and cloud server BACnet router provides communication between Edge device and BAFCon fan controllers LoRaWAN gateway provides wireless communication between Edge device and system sensors	Indoor occupancy sensors Indoor temperature/humidity sensors Outdoor temperature/ humidity/precipitation sensor	Wall-mounted 10.1 in. (257 mm) LCD touchscreen provides control of up to four comfort zones Web interface enables remote system control, monitoring, and fault clearing	HVLS Fans: Wireless BACnet and Modbus RTU Heaters and Ventilation Fans: Analog relay Temperature/Humidity and Occupancy Sensors: LoRa wireless	BAFCon controller allows for override control of individual Big Ass fans to quickly adapt to each zone's changing conditions Wall-mounted touchscreen and web interface allow for override control of all system equipment as needed

Lead times may vary.
See full warranty for coverage information.



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