MiniGoose II

Rev 1.06

Climate Monitor

Datasheet

A bare-bones version of the WeatherGoose II, this small monitor fits where space or budgets are tight.

- Accessible through a web browser
- Built-in temperature sensor
- 1 digital sensor port (expandable to 16)
- Multi level alarms with escalation
- Alarm notifications sent by email and SNMP

Need a lot of remote climate sensors? Short on cabinet space? This tiny monitor has web access, graphing, and alarm alerts via email or SNMP. Supports up to 16 remote sensors plus an internal temperature sensor. The MiniGoose II runs the same firmware as the WeatherGoose II climate monitors, but relies on external sensors instead of internal sensors to reduce size.

Web Interface

The web interface is the primary way to interact with the MiniGoose II. This interface allows a user to remotely check the status of the environment, view graphs of logged data and see web cam images.

Configuration and administration of the unit is done through the web interface. Access is user name and password protected. SSL encryption can be used for added security through the HTTPS capabilities in browsers.

The firmware running on the MiniGoose II is updated through the web interface.

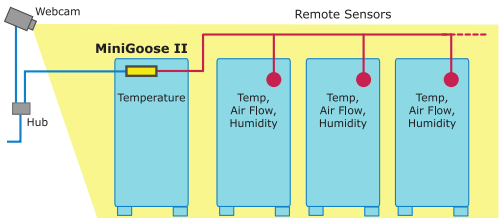
Other Access Methods

Besides web access, there are a variety of methods that can also be used for obtaining sensor data from the unit. Meta-tagged system info is available in XML. Logged data can be downloaded as a CSV file.

The device also supports SNMP (v1, v2c, v3). This allows dozens of Network Monitoring programs such as HP OpenView, IP Sentry, MRTG, or What's Up Gold (Ipswitch) to easily add the MiniGoose II to the list of monitored devices.

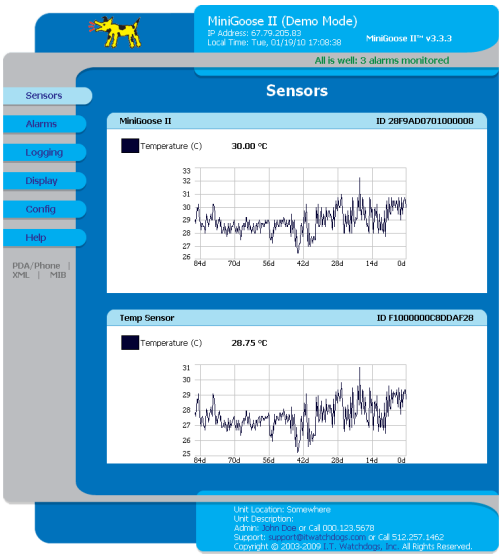
About the size of a candy bar, the MiniGoose II contains an internal temperature sensor, a digital sensor port and the same alert and monitoring functions as the WeatherGoose II.

Multiple Cabinet Monitoring



The MiniGoose II uses remote sensors to monitor multiple cabinets and interfaces with a variety of web cams.

Web Interface - Sensor page



Sensor data and graphs are grouped by device, with internal sensors in the first box and remote sensors in the following boxes.

Alarms

A user sets alarm thresholds (up to 200) to define sensor boundaries and indicate what to do if there is a problem. Multiple thresholds are assigned to a sensor for alarm escalation.

The unit continuously compares sensor readings with these thresholds. If a reading exceeds a threshold, the alarm is "tripped" and the MiniGooseXP II alerts the appropriate recipients by email and/or SNMP. When the alarm ends, the unit sends a "cleared" notice.

Digital Remote Sensors

Digital sensors provide sensor data through a serial protocol. Once connected, the MiniGoose II automatically detects and identifies the sensor type. These sensors can be given a "friendly" name to make them easier to identify. The unit has one digital sensor port. Using splitters, connect up to 16 sensors with 600' of total cable length.

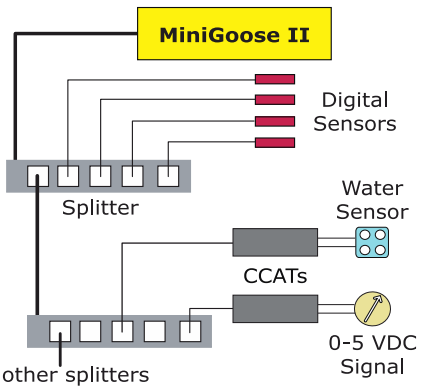
Being smaller and less expensive than the WeatherGoose II, the MiniGoose II does not have analog inputs, so it will not directly support analog sensors. An optional CCAT interface is used to convert an analog signal to digital. Most analog sensors have one analog signal, so just one CCAT is needed to make it work with the MiniGoose II. A few analog sensors, like WaterSnake, require two CCATs.

Internal Board Heating

The internal temperature sensor is calibrated when it comes from the factory. However, depending on airflow, the sensor can be heated by internal circuitry and read a few degrees above ambient. The unit has an internal temperature offset that can be adjusted to correct for this.

Installation

The MiniGoose II can be screw-mounted using the 0.125" mounting holes or tie-wrapped to a cabinet rail. Another option is the 16 Port Splitter (sold separately), which acts as a rack-mount bracket and digital sensor splitter for the MiniGoose II.



Daisy-chain splitters and connect up to 16 digital sensors Use a CCAT to interface an analog sensor with the MiniGoose II.

The 16 Port Splitter (sold separately) is a rack-mount splitter with 16 digital sensor ports. The MiniGoose II mounts on the back.

Device Details

Built-in Sensors
Temperature: -22 to 185 °F (-30 to 85 °C), +/- 0.5 °C

Remote Sensor Support
Digital sensor: 1 port (supports 16 sensors, 600' total)

Specifications
Physical: 4"L x 1.5"H x 1.5"W, 0.5 pounds
Power: 6VDC (supplied wall transformer)
Ethernet: 10 Mbps, RJ-45 receptacle
Real Time Clock (RTC) with power backup
Reset IP push-button: restores factory defaults
Warranty: 1 year (extended warranties available)

Software Features
HTTP / HTTPS: web access
Alarms: high/low values, multiple thresholds per sensor
ESMTP / POP3: email alerts, ESMTP / POP3 auth
SNMP (v1, v2c, v3): gets, trap and clear alerts, MIB
Paging: email to pager proxy
XML: meta-tagged sensor values, alarms, config
Syslog: send debug messages to Syslog server
Web interface: 4 styles to choose from
Access-control: 3 access levels (view, control, admin)
Web cams (optional): Up to four can be displayed
Compatible with WatchDog Console Aggregator