MiniGooseXP II

With sixteen digital sensor ports, the MiniGooseXP II is ideal for applications that require a low-cost climate monitor and a large number of remote sensors.

- Accessible through a web browser
- Built-in temperature sensor
- 3 analog inputs for 0-5VDC sensors
- 16 digital sensor ports for ITW remote sensors
- Multi level alarms with escalation
- Alarm notifications sent by email and SNMP

The MiniGooseXP II is a rack-mounted climate monitor with 16 digital sensor ports, 3 analog inputs and an internal temperature sensor.

Need a lot of remote sensors in a rack mount? The MiniGooseXP II has web access, graphing, and alarm alerts sent by email or SNMP. Connect up to sixteen remote digital sensors, no splitters required. Supports three analog sensors and has an internal temperature sensor. The MiniGooseXP II uses the same web engine as the WeatherGoose II climate monitors.

WEB INTERFACE

The web interface is the primary way to interact with the MiniGooseXP 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 MiniGooseXP II is updated through the web interface.
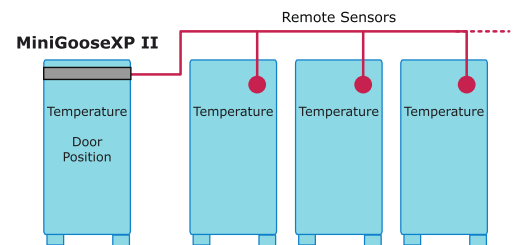
OTHER ACCESS METHODS

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)
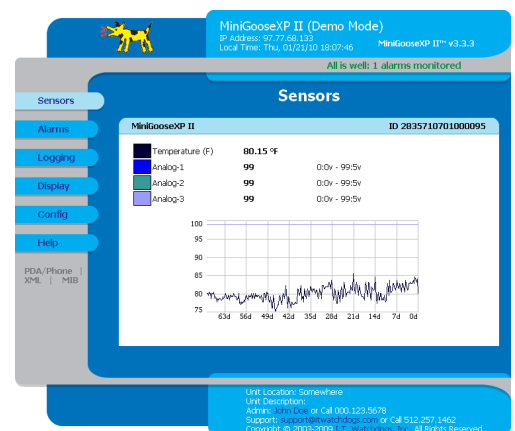
Multiple Cabinet Monitoring

*A single MiniGooseXP II wth remote **digital** sensors, can monitor up to 17 cabinets. The total aggregate cable length for **digital** sensors should not exceed 600'.*

Web Interface - Sensors page

Readings from the internal temperature sensor and analog inputs are shown on the Sensors page.

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to easily add the MiniGooseXP II to the list of monitored devices.

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.

REMOTE SENSORS

Analog

Analog inputs on the MiniGooseXP II support any contact closure sensors and industry standard sensors that provide a 0-5VDC signal. Names for the input channels are configured through the web interface. Examples: water sensor, door position, smoke alarm

Digital

Digital sensors provide sensor data through a serial protocol. Once connected, the MiniGooseXP II automatically detects and identifies the sensor type. These sensors can be given a "friendly" name to make them easier to identify. No splitters are needed, since there is a built-in 16 port splitter. Examples: temperature, temp/airflow, CCAT interface

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.

Alarm Thresholds

A basic alarm threshold includes sensor name, boundary value, boundary type (high/low), and in case of alarm, alert recipients and alert methods (email, SNMP).

Device Details

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

Remote Sensor Support
 Digital sensor: 16 ports (up to 600' total cable length)
 Analog sensor: 3 inputs (contact closure, 0-5VDC)

Specifications
 Physical: 19"L x 1.75"H x 3"W (rack-mount, 1U space)
 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

IT WatchDogs

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