



NetX™ X7

NeXt Generation IoT Control

A Tool, Not A Toy

Incorporating 25 years of customer insight and engineering expertise, the affordable NetX X7 platform provides the most powerful and flexible IoT system for HVAC control in commercial facilities. The X7's distributed architecture deploys easily to any size facility with any number of locations. Multiple connectivity options allow the X7 to be used over the internet or integrated into existing building automation systems. To maintain strict network security protocols, the system can be used stand-alone behind the network firewall. Easy to install and simple to use, the X7 surpasses the performance of traditional building automation systems.

Jerry Drew – Founder and CEO

HVAC Integration

- Gas/Electric or Heat Pump Control
- Up to 4-stage Heat or 4-stage Cool
- Humidity and Economizer Control
- Connect up to 11 Remote Sensors
- Two Digital Inputs
- Auxiliary Relay Outputs
- Occupancy Sensor HVAC Control

Thermostat Interface

- Color Changing Touchscreen Display
- Enterprise Class PC Management Software
- Local Weather Data and 7-Day Forecasts
- Up to 25 Email and Text Message Alerts
- Fully Integrated DirectConnect™ Web Server
- Secure Dual Login for Simple or Advanced Access
- Multiple Connectivity Options

Energy Saving Features

- 7 Day / 4 Schedules per Day, plus Calendar Scheduling
- Keypad Lockout with Adjustable Override
- Efficient Equipment Start
- Artificial Intelligence Staging Algorithm
- Integrated Initial Demand Control
- Manual and Automated Demand Response Compatible

Simple • Flexible • Powerful

www.networkthermostat.com

NT™ network thermostat

201812 240242-00

NetX X7 Flexible Connectivity

- **DirectConnect™**

- Connect directly to embedded web browser pages

- **CloudConnect™**

- Manage your HVAC project from NetX Cloud

- **PC Connect™**

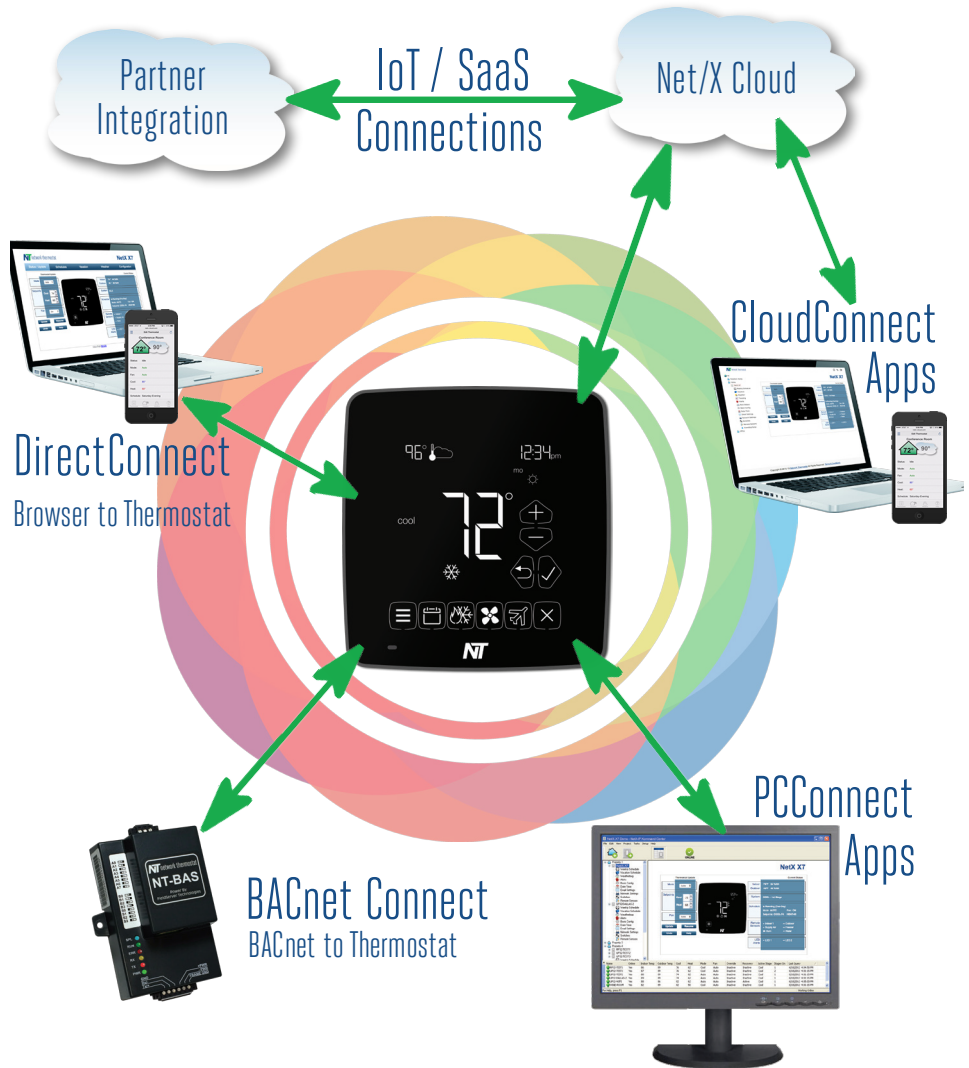
- Manage your HVAC project securely behind firewall

- **BACnet Integration**

- Integrate into existing building automation system

- **Partner Integration**

- API available for partner integration



AUX INPUTS

- Condensate Monitoring
- Flood Detection
- Equipment Faults (On or Off)
- Differential Pressure Switches
- Any Transitional Event



AUX OUTPUTS

- Additional Cooling or Heating Stages
- Economizer control
- Fresh air damper control
- Scheduled Switches
- Humidity Control (Humidify/Dehumidify)
- Conditional Programmable Switches

NT-TEMP (Outdoor configuration)
 NT-TEMP sensor configured for outdoor use with
 NT-OUTDOOR Probe (1 per unit)



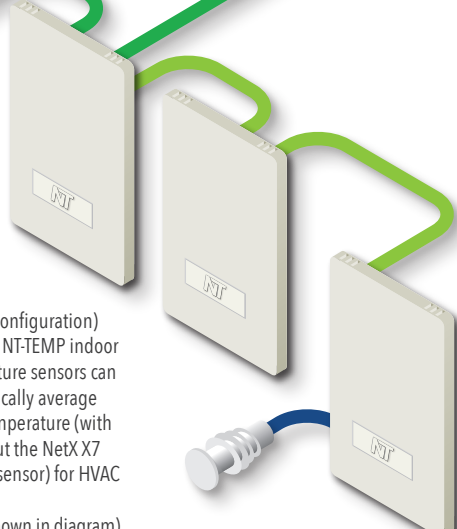
NT-HUM Sensor
 The NT-HUM sensor
 remotely monitors
 humidity or humidity
 and temperature.
 (1 per unit)



NT-TEMP (AUX 1 configuration)
 Adding the NT-PROBE
 to the NT-TEMP sensor
 gives the ability to
 monitor the HVAC
 supply or return air
 temperature.



NT-TEMP (Indoor configuration)
 Up to six NT-TEMP indoor
 temperature sensors can
 automatically average
 room temperature (with
 or without the NetX X7
 internal sensor) for HVAC
 control.
 (3 of 6 shown in diagram)



NT-FS Sensor
 Adding the flush mount sensor probe to the NT-TEMP makes temperature monitoring nearly invisible.



NT-TEMP (AUX 2 configuration)
 In addition to use as a supply or
 return sensor, adding the NT-PROBE
 also allows for monitoring of a
 location such as a refrigerated
 display case, walk-in freezer, or
 anything else from -40°F to +200°F.



NT-TEMP (AUX 3 configuration)
 Need even more sensing? Configure another
 10KΩ sensor with the NT-TEMP to enable
 additional monitoring of any device from
 temperatures -40°F to +200°F.



REMOTE SENSORS

- Up to 6 Indoor Sensors for Room Temperature Averaging
- 1 Humidity/Temp Sensor
- 1 Outdoor Sensor for Behind Firewall Operation
- Up to 3 Auxiliary Sensors
 - Supply Air
 - Return Air
 - Refrigeration
 - Water Temperature
 - Server Racks
 - Battery Storage Racks, Etc.



OCCUPANCY SENSOR HVAC CONTROL

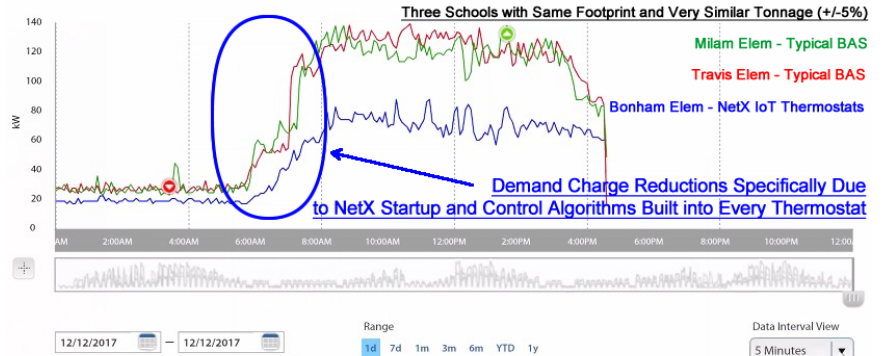
- Adjustable Occupancy Detection Minimizes Momentary Occupancy HVAC Usage
- Adjustable HVAC Run Timer Minimizes HVAC Usage When Unoccupied
- Wall & Ceiling Mount Options Ensures Occupancy Detection
- Up to 4 Sensors per Thermostat

NetX X7 Powerful Results



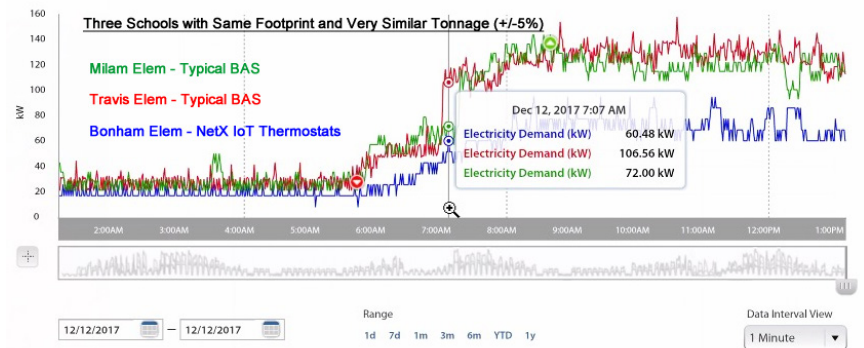
Integrated Initial Demand Control

Prevents multiple HVAC units from starting at the same time.



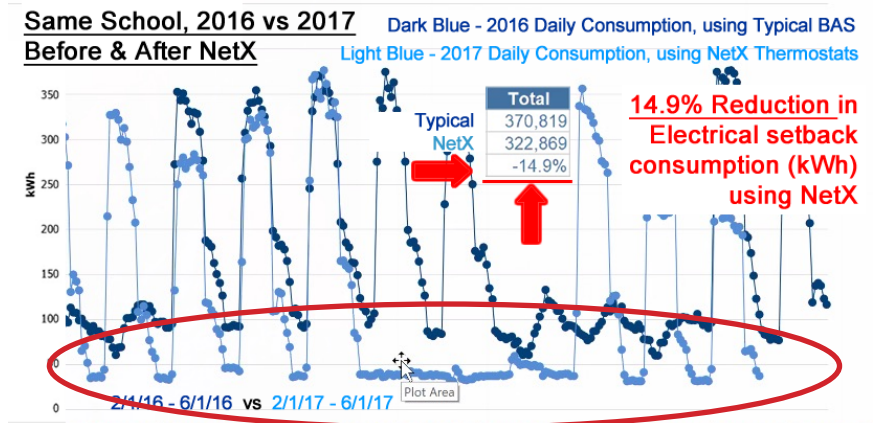
Enhanced Occupied Energy Savings

40% or more additional energy savings over typical building automation systems.



Improved Energy Reduction in Setback

15% additional setback reduction over typical building automation systems.



Results provided by real customer via EnerNOC Energy Data comparing either the same facility before and after or three schools with the same footprint and similar tonnage ($\pm 5\%$).



www.networkthermostat.com

Save Time • Save Energy • Save Money

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