Data Aire is proud to introduce the new idap Internet Card. This card plugs seamlessly into Data Aire’s dap4 or mini dap4 controller. It allows for remote monitoring and control of the unit from anywhere, as long as you have Internet access, even from your smart device. idap also sends emails, alerting you and/or your staff to alarms that the controller detects. It even provides trending data for every 24 hour period that can be downloaded for recording and analysis.

idap is an Ethernet network card with web-based application software installed, allowing for a standard PC to communicate with either a dap4 or mini dap4 microprocessor controller. The easy way to use web application software, developed by Data Aire, incorporates an intuitive menu system for set-up and communication.

Menu options include:
- System Status
- Configuration
- Data and Graphs
- Events and Emails
- Tests
- Points Table
- Information and Contact

The Events menu allows you to activate 42 different alarms. You also have the option for idap to send out emails on triggered alarms, with a unique subject line and message, which you can customize yourself. Emails can be sent up to five individuals.

idap also allows a unique feature of sending out reports periodically on system performance. For example, every 24 hour period you can program idap to send out trending data for the previous 24 hour period allowing for review and analysis.

idap’s control function is permitted on the idap System Status screen where you can adjust both the temperature and humidity set points and deadband ranges, as well as turning the unit “ON” or “OFF”. idap has a fail safe feature that turns the unit to “ON” status in the event the card goes off-line.

idap can be used on a stand alone basis, in place of a BMS system, or can operate in conjunction with a BMS system which uses BACnet, Modbus TCP/IP or SNMP protocols.
Figure 1 shown below is the “System Status” screen showing room conditions in the blue shaded area, current operations, equipment run times, in the tan area and optimal discharge air temperature and chilled water temperature. On this screen you can also see the “change” boxes for temperature and relative humidity set-point and deadband, and overall system status.

Figure 1: System Status Screen