



BACnet™

Building Automation and Control



Open Network Protocol for AireTronix Systems

BACnet™ answers the growing demand for open protocols in business automation and control, which seek to integrate equipment from different manufacturers into a single, uniform system.

Plug this small PCB serial card (60mm x 30mm) into an AireTronix controller, and the control system springs into life. A 'master-slave' dialogue is immediately set up between the BACnet™ card and the AireTronix controller in the air conditioning system, with seamless exchange of data between the BACnet™ card and site BMS. All required parameters are accessible via a simple menu enabling information on the operation of the system to be quickly retrieved for diagnosis by the BMS.

Scalable from small to large installations, BACnet™ can work over a variety of commonly available network technologies including Ethernet. Owing to the high level of integration and functionality, there is very limited cable installation, which can result in up to a 60% reduction in cable requirements.

Key Benefits

- > Simple plug-in interface card
- > RS485 and Ethernet compatible

Benefits of an Open Protocol

- > Integration of equipment from different manufacturers
- > Media sharing – using same communication cables
- > No need for custom gateways or costs of interfacing with proprietary subsystems
- > Lowered installation costs
- > Inter-linking of different building services.

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Card Types

Airedale provide two types of card that can communicate on the BACnet™ protocol: the pCOWeb and the pCONet. The pCOWeb card connects via an Ethernet cable directly from the Ethernet port on any PC. The pCONet card connects via an MS/TP RS485 connection. If your computer does not have a serial port it is possible to use a USB/RS485 converter.



pCOWeb Interface card

Part No. 6272561

TREND

Trend compatibility

pCOWeb and pCONet cards can comply with Trend 963 Supervisor running TOPS. Additionally BACnet™ variables can be exchanged with Trend IQ3Xcite BACnet™.



pCONet Interface card

Part No. 6495162

Programming cards

All cards can be configured for a particular unit by Airedale Controls and ready to be programmed. Cards can be configured with a default station address, device instance and baud rate or settings specified by a customer. Alternatively an engineer site visit can be arranged to set up the device and make sure that everything works to the highest standards.

BACset

Networking

BACset software can be used to configure or change settings of the pCOWeb and the pCONet cards. BACset can be used to configure various options within the interface card. BACset software is available upon request.

BACnet™ – talking the same language

Airedale Controls - additional services

- > Software program design that will manage everything in the air conditioning system, fine-tuning it for energy efficiency
- > Remote Monitoring Centre – a tele-monitoring bureau service for customers with critical sites
- > After-Sales
- > Live Demonstration and Training Centre

Contact Airedale Controls on +44 (0)113 239 1000 or controls@airedale.com



BTL™

pCOWeb and pCONet cards are BTL™ (BACnet Test Laboratory) certified for BACnet™ protocol communication.



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Airedale reserve the right to change technical details at their discretion and without notice. For further information contact Airedale. ENG-CONTROLS-BACnet-03-10

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