

## BUILDING AUTOMATION SYSTEMS



# COMPLETE BUILDING INTEGRATION

AIRTEK intelligent building automation system can be used in various locations that require central control of electrical and mechanical equipment, such as commercial office building, shopping centres and hotels etc,

The system is in accordance with the worldwide standard BACnet open protocol and have obtained BTL certification, meaning high compatibility and integration with different manufactures/vendors.



We are the Western Australian agent for the AIRTEK product, we are trained in the AIRTEK product, We can supply, install and commission to meet your requirements



## Management Layer

BACsoft is the windows based software with 3D graphics, it is used to access and monitor all field devices



**Touch Screen**  
NVP215PE 21.5"  
NVP156PE 15.6"  
NVP121PE 12.1"



## Integrated Control Devices

GC/WC devices are global network integrated controller, used to coordinate, communicate and manage the operations of the site, WC devices are web embedded for remote access & send email

**WC-8846**



**GC-SMSB**



BACems devices carry out trend logging with web embedded for remote access

**BACems**



**VRF/VRV BACnet GATEWAY**



**PE-ME11**

Convert BACnet to Modbus



**PV-BM21**



## Field Control Devices

DAC/DSC devices are individual operating programmable controllers, used to control building electronic and mechanical equipment. A large product selection means many different combinations for input/output points, DAC+/DSC+ have built in keypad, DACBT/DSCBT have built in operator display (touch screen)

**DACBT**



**DAC+**



**VAV**



Variable air volume Actuator with inbuilt controller

**DAC**



## Expansion Input/Output Module

DIN devices, field expansion module containing no program, connect to network for additional inputs and outputs

**DIN**



**EIMXM**



**EIM**



EIM expansion module to connect to GC/WC/DAC/DSC to provide additional input and outputs

## Panasonic VRF gateway protocol converter

Approved and lab tested by Panasonic, connects to CZ-CFUNC2



**CZ-CFUNC2**

Up to 128 indoor units

## Human Machine Interface

NVT operator displays (touch screen & custom 3D graphics) can access and monitor any device on the network and change points. 7/12/15/21 inch version also displays scheduling.

**NVT**



**MFC**

MFC operator controller, can access and monitor only device connected to, on/off, mode, fan speed and temperature setting.

**DST**



DST operator display (touch screen), custom 3D graphics, can access and monitor, change points, connected to individual device only

**NVP20V**

Lan viewer and scheduler



## Plant and Equipment

**AIR HANDLING UNIT**



**CHILLER**



**VARIABLE SPEED DRIVE**



**ACTUATOR**



**ENERGY METER**



**ENERGY FLOW METER**



**VAV BOX**



## Hotel/Apartment Controller



DFC controller designed for hot and cold water control, ideal for hotels and apartments, includes control panel

