

# Application Note

MDIS UniCampus, Stirling Road



### Number of Networks :

- 2 x Fieldbus Network

### Description Of System Architecture

The Building Automation System of the Campus consists of the Central Computer and two network of IP2 Remote I/O Controller for remote monitoring and control of the entire Air Conditioning System in the Campus.

The Monitoring and Control of the Air Conditioning system is from the Central Computer. The PC Color Monitor provides Graphical display for ease of use in daily operations.

### Central Control

There are more than 300 FCU/PAC/AHU in the campus's 7 building blocks. The use of IP2 Remote I/O provides cost effective platform for implementation of Central Control for the campus's air conditioning system.

The Central Computer is programmed with Weekly 7-Day timer for daily schedule control of the air conditioning units.

### Peer-To-Peer Network

The IP2-RIO operates over peer to peer fieldbus network that allows for integration with Multiple Masters. Such as Central Computers, PLC and GMS modem gateways.

### Project Scope :

Design, supply, testing, commissioning and maintenance of IP2 Remote I/O Panels for Air-Conditioning system.

### Number of AC Units :

- FCU/ PAC/ AHU : 307  
7 Blocks in Campus

