ENHANCE YOUR BUILDING CONTROLS WITH

MARUTTO P-SERIES



DHOS–CS–PC-2402A

What is Daikin BMS?

Daikin Building Management System (BMS) is a local sophisticated computerized control system designed to monitor, manage and optimize various aspects of a building's mechanical, electrical, and other operational systems.

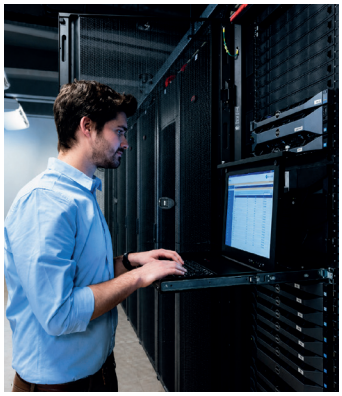
Using enhanced control and management, monitoring and measuring, BMS solutions from Daikin provide:

Real-time data access and storage

Support from Daikin experts

Possibility to identify cost-saving opportunities and risk of unexpected issues



BMS as a basis for making your buildings smarter



Daikin aims to provide to you the best Building Management System with the highest cutting-edge technology level, utilizing our long-time experience in the HVAC sector. Not only the building's health is important, but the user's satisfaction is our top priority

BMS solutions by Daikin

Seamless Control

Control all HVAC equipment and lighting by using smart process

Air Quality

Expert on satisfying optimum air quality level to increase productivity and wellness of the occupants

Energy Saving

Best in the market, energy conversation solutions

Total Solution

Proactive Service improves the lifetime of all the connected equipment

MARUTTO powered by niagara framework®

Introducing MARUTTO P-Series, now featuring our advanced DMC Controller paired with the versatile DMT IO Expansion Module.

This cutting-edge combination delivers unparalleled compatibility to enhance your HVAC systems. The DMT IO Modules seamless integrate with the DMC Controller, enabling high-speed input/ output processing for precise and efficient plant control and monitoring.



DMC Controller

Daikin DMC Controller is an intelligent device designed to communicate with and collect data from plant equipment.
It comprises several key connection components and features:

- PJ Communication bus (Panel Bus and Field Bus)
- 2x RS-485 Ports
- 2x Ethernet LAN Ports
- High Powered CPU and Memory
- Modular Design for Touchscreen and Communication Devices*

Benefits

- **High-speed IO Modules Communication:** Supports serial communication at speeds up to 500 Kbps.
- **Versatile Serial Connections:** Offers 2 configurable serial ports, supporting BACnet MSTP or Modbus RS485.
- **Third-Party Integration:** Seamlessly integrates with third-party devices.
- **Remote Connection through Internet Connectivity:** Supports web serving, directly from DMC Controller to host and display HTML5 based graphics on standard web browsers.
- **Versatile Expansion:** Independent PJ Bus Expansion through Panel Base (Direct connection) or Field Bus (Twisted pair Cabling) for up to 448 IO points.

Easy, seamless integration of building equipment

With Daikin's BMS, facility managers can supervise and control various facilities at ease.

Shown below are examples of facilities that can be integrated into our BMS:

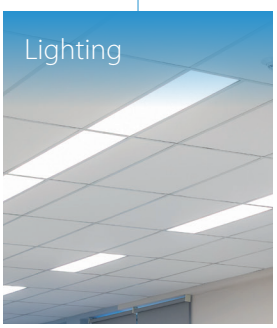


Daikin BMS











Daikin DMT IO Modules allow native connection to various HVAC systems equipment, including Chiller Plantroom (Chillers, Pump and Cooling Tower), Air Handling Units, Heat pumps, Ventilation Systems, Lighting control without requiring a separate configuration tool.

Key Components:

IO 16 Module:

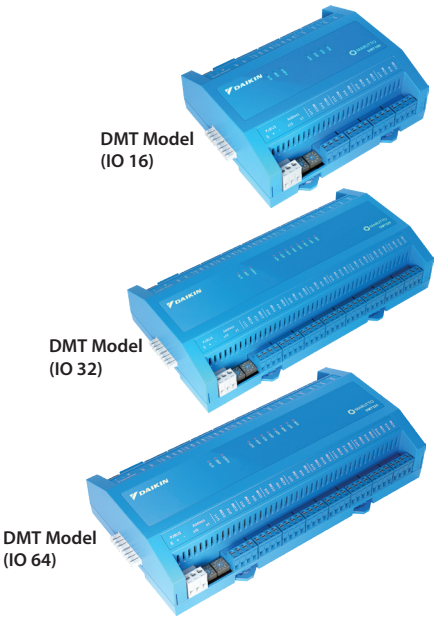
8 x Universal Inputs (configurable as Resistive, Current or Voltage)
4 x Normally Open (NO) Relay Outputs
4 x Analog Outputs (0-10VDC)

IO 32 Module:

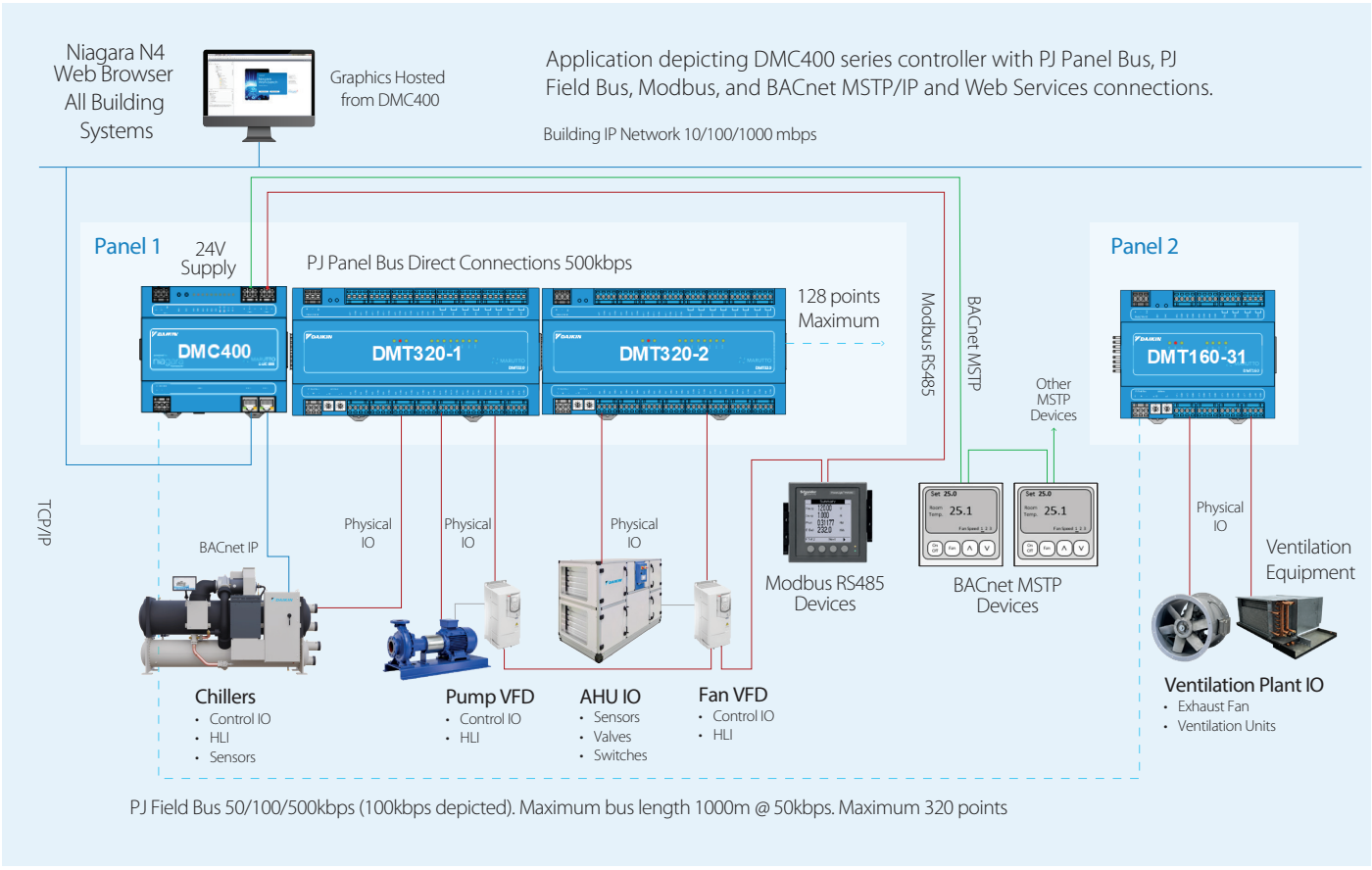
16 x Universal Inputs (configurable as Digital Input, Analog Input, 0-10VDC, or Current Input)
8 x Normally Open (NO) Relay Outputs
8 x Analog Outputs (0-10VDC)

IO 64 Module:

32 x Universal Inputs (configurable as Digital Input, Analog Input, 0-10VDC, or Current Input)
16 x Normally Open (NO) Relay Outputs
16 x Analog Outputs (0-10VDC)



MARUTTO P-Series powered by Niagara 4 enables an enhanced cockpit for comprehensive command over HVAC systems throughout a building, ensuring reliable and energy-efficient operations at all times.



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