



## Advanced BMS Integration Solution with the intelligent Touch Manager™ 2+

### DCM014A51 - iTM BACnet® Server Gateway Option

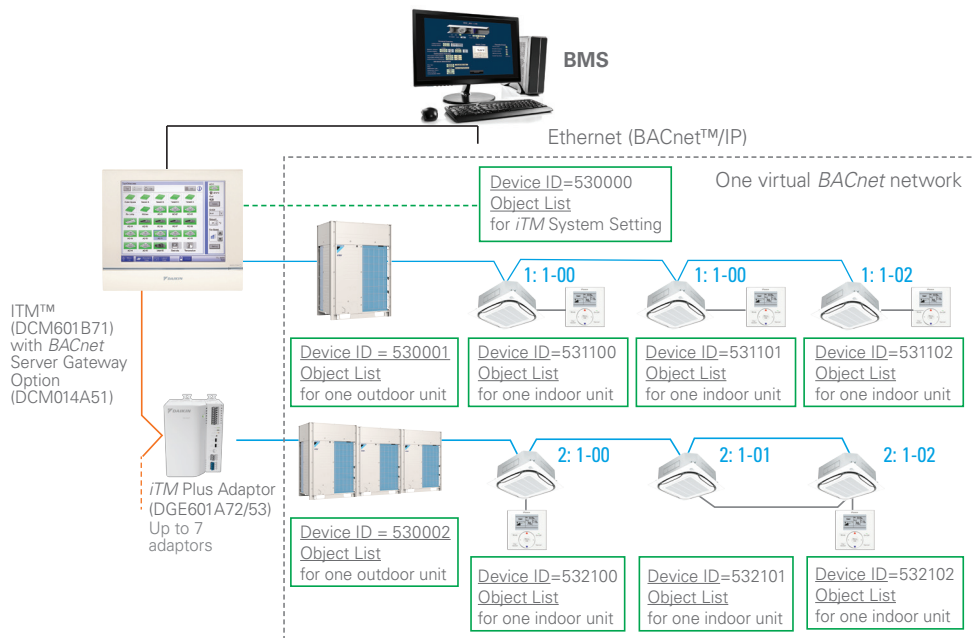
The intelligent Touch Manager™ is capable of serving as a *BACnet* interface for Building Management System (BMS) integration. With the *iTM BACnet* Server Gateway Option (DCM014A51), the *iTM* provides BMS integrators with the ability to monitor and/or control the VRV indoor and outdoor units, eliminating the need for an additional hardware

interface. Moreover, with software v2.07 or higher, the *iTM* is able to serve as a service tool to access indoor and outdoor unit operation data. With the *iTM BACnet* Server Gateway Option, the operation data points for both the IDU (indoor unit) and ODU (outdoor unit) are also available to the BMS through *BACnet*.

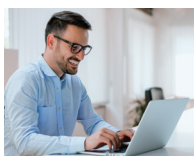
### Features

- » Additional service data points are now available\*:
  - 6 new IDU service data points
  - 9 new common ODU service data points and 22 new service data points for each ODU module
- » Direct connection on *iTM* using the *BACnet*/IP Protocol
- » ***BACnet* virtual router** function implemented:
  - **Individual *BACnet* device ID** assigned to each indoor unit group address and each outdoor unit
  - Indoor unit group names created in the *iTM* are visible on the BMS
- » Easy commissioning using CSV file
  - Available objects can be configured for each indoor unit
- » Supports Change of Value (COV) notifications to the BMS
- » Configurable as a *BACnet* foreign device if a BBMD exist on a different subnet within a *BACnet* network
- » **Independent heating and cooling setpoints** for occupied and unoccupied periods
- » Individual min/max **Setpoint Range Limitation** for heat and cool modes
- » The *iTM*'s **auto changeover, setpoint range limitation, setback, dual setpoint** logic and **schedule** can be accessed by the BMS
- » Up to 128 Device IDs (including both indoor units and outdoor units) and up to 4000 *BACnet* objects can be monitored and controlled by BMS.
  - When the IDU/ODU operation data is enabled a total of 128 devices and 4000 *BACnet* points are available
- » Up to 7 *iTM* Plus Adapters can be connected to an *iTM* for a total of 8 DIII-Net ports

\* supported outdoor unit model only

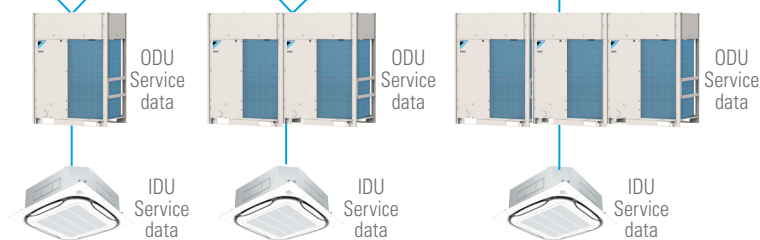


## Powerful Service Tool with Indoor and Outdoor Unit Operation Data Points



- » When a problem occurs, the BMS integrators and Service Technicians can start troubleshooting immediately before going to the site.
- » Indoor and outdoor operation data trending\* by BMS can benefit the VRV service process.

\*BMS programming needed



## Enhanced BMS Integration Solution for Indoor Unit Operation





Individual Device instance number for each indoor unit (Configurable)

Device ID (1:1-00) = 531100

Device ID (1:1-01) = 531101

Object instance number repeated for every indoor unit point

Occupancy Mode = MO 1 (All indoor units)  
Unit On Off Status = BI 2 (All indoor units)

 <b>BMS</b>		<b>iTM System Settings</b>	Enable/disable <i>iTM</i> schedule operation	<b>Schedule</b>
			Enable/disable <i>iTM</i> auto changeover operation	<b>Auto Changeover</b>
	<b>Indoor Unit Operation and Monitoring</b>		Timed override minutes	<b>Timer Extension Minutes</b>
			System forced off	<b>Emergency Stop</b>
			Occupancy mode (occ, unocc, standby)	<b>On/Off</b>
			Occupied cooling and heating set-point	<b>Occupied Dual Set-point</b>
			Unoccupied cooling and heating set-point	<b>Setback Set-points</b>
			Maximum and minimum cooling set-point	<b>Set-point Range Limitation</b>
			Maximum and minimum heating set-point	<b>Min. Cool/Heat SP Differential</b>
			Minimum cooling and heating set-point differential	<b>Set-point Tracking Mode</b>
			Cooling and heating set-point tracking mode	<b>Remote Controller Prohibit</b>
			Remote control prohibit	<b>Timer Extension</b>
			Timed override operation	<b>And more basic functions...</b>
			Current unit operation (off, normal, override, setback)	<b>Advanced Indoor Unit Operation</b>
			Forced indoor unit thermo-off	
			Indoor unit changeover option availability	
			Indoor fan status	
			and more basic operation and monitoring points...	

## How to Acquire

- » The iTM BACnet® Server Gateway option is a software license that needs to be purchased.
- » The iTM requires version 2.07 or later and a software license key to activate the BACnet Server Gateway software

## Find out more about BACnet Server Gateway Option.

Contact your local Sales Representative, visit Daikin City or [www.daikinac.com](http://www.daikinac.com)  
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