DAIKIN

VRV
CONTROL SOLUTION

For individual management of air-conditioning by floor or tenant

A system can be constructed to optimally manage air-conditioning by building area such as every tenant or every floor.

POINT

- A smartphone or tablet PC can be used to monitor and control air-conditioning from anywhere.
- Malfunctions are reported automatically to the service contractor for prompt repair.
- It is made possible with simple, additional installation work.
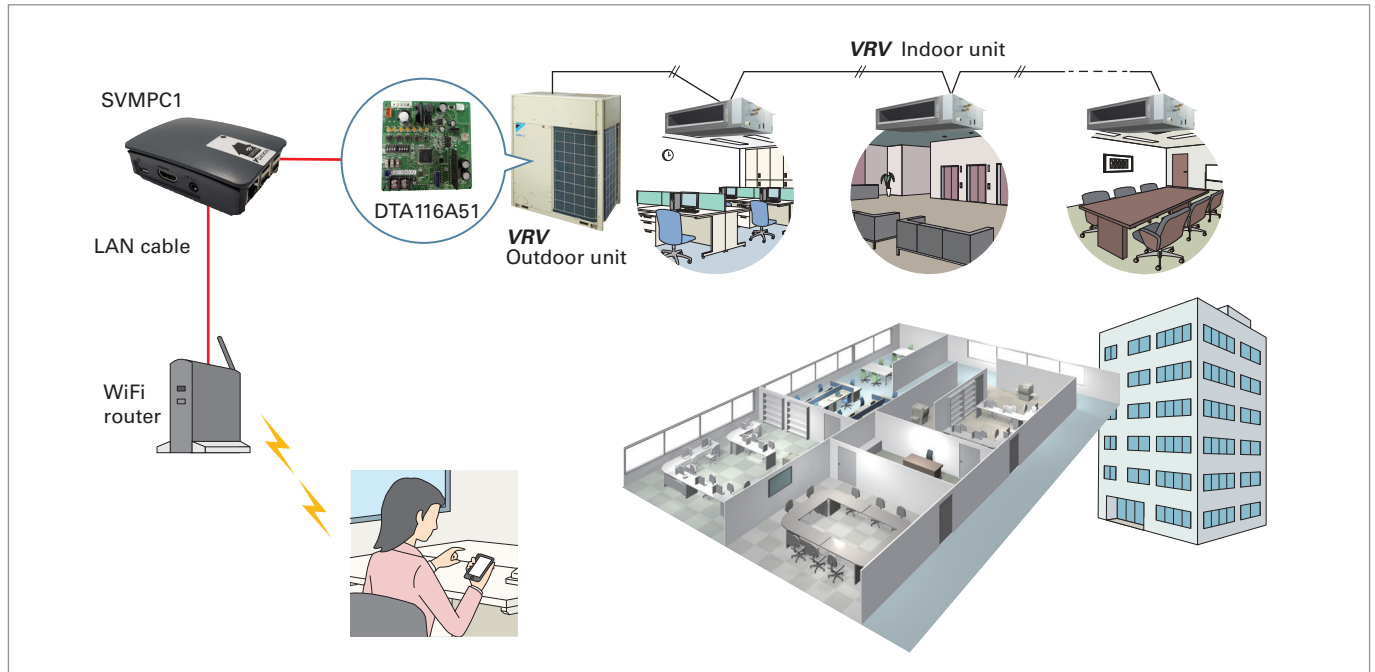
Required equipment
DTA116A51
SVMPC1

∗WiFi router and Internet environment are provided by the customer.

Operating conditions
One DTA116A51 can control up to 16 indoor units.

SVMPC1 Functions

Category	Function	Description
Basic functions	Multi language support	English, Spanish, Portuguese, Traditional Chinese, Vietnamese, Bahasa (Indonesia), Thai and Japanese
	Monitoring screen	Management point is displayed by icon with status
	Monitoring screen (layout)	Management point is displayed by icon on the floor layout image with status
	Manual operation	Management point can operate manually on/off etc.
Automatic control	Schedule	Automatic operation depend on date and time can be realized
	Interlock	Automatic operation depend on status change of management point is realized
	Scene control	Single button controls multiple operations
	Setback operation	Keeps room at a semi-comfortable temperature when it is not in use
Energy saving	Setpoint range limitation	Block too high/low setpoint is set
	Off timer	Automatically turn off airconditioner after certain time
Data management	Energy graph	Energy consumption of 1 day/1 month/1 year can be displayed in bar chart
	Trend graph	Analog value like temperature, humidity, etc. can be displayed in line chart
	Operation history	All operation, status change and error information are listed with date and time
Remote access	Smartphone access	User can access to SVMPC1 from anywhere by smartphone, tablet and PC
Security	User registration	Only authoized user can access SVMPC1
	Encrypted data communication	All data communication through the internet is encrypted by SSL

For easy installation of an air-conditioning management system to a small building

With only simple wiring, sophisticated air-conditioning through centralised control is possible for the entire building. Daily air-conditioning operations can be automated.

POINT

- A smartphone or tablet PC can be used to monitor and control air-conditioning from anywhere.
- Malfunctions are reported automatically to the service contractor for prompt repair.
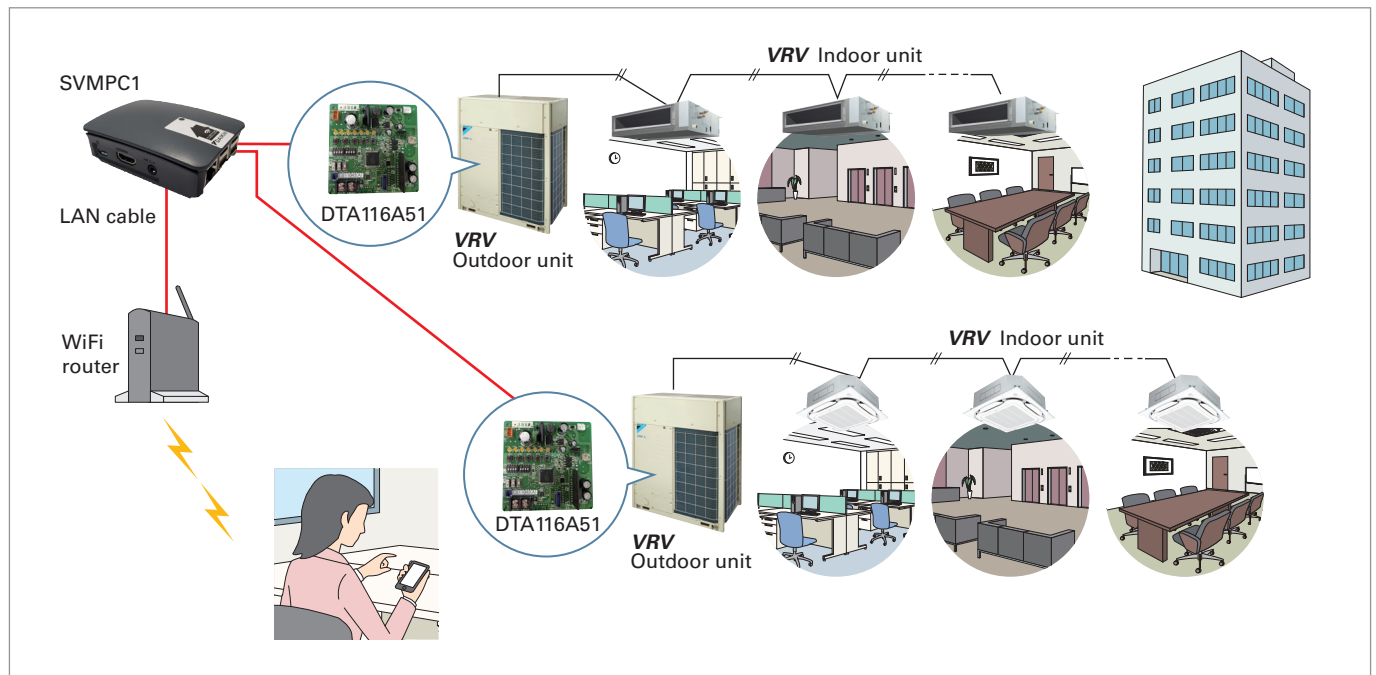- It is made possible with simple, additional installation work.

Required equipment
DTA116A51
SVMPC1
∗WiFi router and Internet environment are provided by the customer.

Operating conditions
One SVMPC1 can connect up to two DTA116A51 and each DTA116A51 can control up to 16 indoor units.

SVMPC1 Functions

Category	Function	Description
Basic functions	Multi language support	English, Spanish, Portuguese, Traditional Chinese, Vietnamese, Bahasa (Indonesia), Thai and Japanese
	Monitoring screen	Management point is displayed by icon with status
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	Encrypted data communication	All data communication through the internet is encrypted by SSL

For easy management of store equipment, such as lighting, with air-conditioning

Store equipment devices are centrally managed.
Store energy management is also possible.

POINT

- Store equipment such as ventilation fans and lighting also can be centrally controlled.
- Malfunctions are reported automatically to the service contractor for prompt repair.
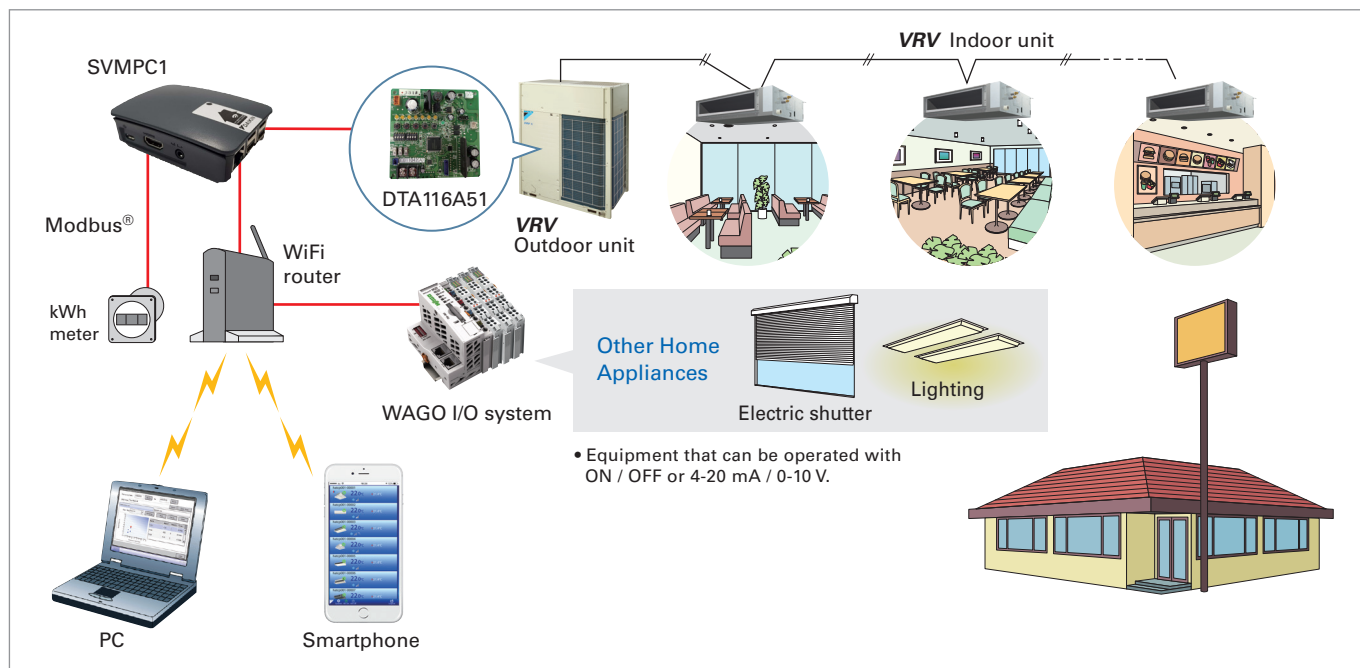- Energy consumption can also be monitored by a watt meter.

Required equipment

DTA116A51
SVMPC1

∗WiFi router and Internet environment are provided by the customer.

Operating conditions

One SVMPC1 can connect two DTA116A51, which can control up to 16 indoor units each, and the WAGO I/O system, which controls equipment such as lighting.

SVMPC1 Compatible device list

WAGO models

Type	Model	Remark	Type	Model	Remark
Communication module	750-352	Modbus TCP/IP module		750-554	Ao module (2 conacts 4 to 20mA output)
System module	750-601	Power supply module for 750-532		750-555	Ao module (4 contacts 4 to 20mA output)
	750-602	Power supply module for 750-532		750-560	Ao module (2 contacts 0 to 10V output)
	750-600	Terminator module		750-559	Ao module (4 contacts 0 to 10V output)
	750-613	Power supply module		750-461/020-000	NTC20K thermistor module (2 contacts)
I/O module	750-400	Di module (2 contacts)	I/O module	750-461	Pt100/RTD module (2 contacts)
	750-432	Di module (4 contacts)		750-460	Pt100/RTD module (4 contacts)
	750-430	Di module (8 contacts)		750-461/000-003	Pt1000/RTD module (2 contacts)
	750-513/000-001	Do module (2 contacts)		750-460/000-003	Pt1000/RTD module (4 contacts)
	750-504	Do module (4contacts)		750-461/000-004	Ni100/RTD module (2 contacts)
	750-454	Ai module (2 contacts 4 to 20mA input)		750-461/000-005	Ni1000TK6180/RTD module (2 contacts)
	750-455	Ai module (4 contacts 4 to 20mA input)		750-460/000-005	Ni1000TK6180/RTD module (4 contacts)
	750-479	Ai module (2 contacts -10 to 10V input)	Other	787-712	24V DC Power supply unit
	750-459	Ai module (4 contacts 0 to 10V input)		787-1112	24V DC Compact power supply unit

Manufacturer	Model
Shneider	PM5110 series
	PM5300 series
	PM5500 series
	iEM3100 series
	iEM3200 series
KRON	Multi-K series
Lavato	DMG210