

SAMSUNG

Submittal Data

MCM-A300BUN

Touch Central Control 2.0

Job name: _____

Purchaser: _____

Submitted to: _____

Unit designation: _____

Location: _____

Engineer: _____

Reference _____ Approval _____ Construction _____

Schedule #: _____

Features

- 10.1" touch LCD controller
- Two communication ports for better installation flexibility
- Can connect and control up to 32 systems (max. 2 X channel) and up to 128 indoor units, Samsung ERVs, and hydro units
- Local access via IP with a PC or tablet
- 2D floor plan and zone configuration capability for an intuitive control experience
- Allows creation of zones for indoor unit grouping with customizable zone icons
- 2 X digital input terminals for dry-contact connection to disable/enable all connected equipment (3 optional configuration settings)
- Energy trending and air quality monitoring (with compatible indoor units)
- Error and alarm history management
- Full indoor unit control along with system maximum current control (current restriction) and capacity correction settings.
- 2 X Digital Inputs (DI) for simple system shutdown and 2 X Digital Outputs to support notification when at least one indoor unit is on and error notification.
- SD card slot for data backup and future software updates
- Customizable wallpapers provide an enhanced aesthetic appearance

Convenience

- Scheduling (max. 50)
- All ON/OFF button
- Indoor unit operation mode, set temperature, fan speed, controller use/restriction enable/disable, louver control, water operating mode and temperature setting, temperature limits, discharge air temperature, filter reminder reset setting/checking, and special functions (Purify, Motion Detect Sensor, WindFree™, Long Wind, Indoor display ON/OFF, Clean, Sleep, Away).
- Cooling and heating temperature (desired temperature) limit setting
- Group/zone control
- Operation mode restriction setting
- Screen lock
- Restrict: ON/OFF, mode, set temperature, fan speed, advanced settings, and remote control use (basic indoor unit settings) for daily users
- Menu lock (restrict indoor unit control, schedule setting/changing, and controller settings for daily users)
- Option to group multiple indoor units to display as one indoor unit on user interface

Compatibility

- DVM S systems (AM*****AA), DVM Chiller (AG0*****AA), CAC 1:1 systems (AC0*****AA), and FJM multi-zone systems (AJ0*****AA) without additional hardware/adapters.
- RAC (AR*****AA) systems using a MIM-N01 communication interface module
- Fresh Access™ ERV units (AN***NSEDAA) using MXD-K200VN ERV kit at every ERV and 1 X MIM-N10 ERV interface module per 16 ERV Kits.
- FCU Kit (MIM-F00N) using one MIM-F10N FCU kit interface module per 16 FCU Kits.



Specifications

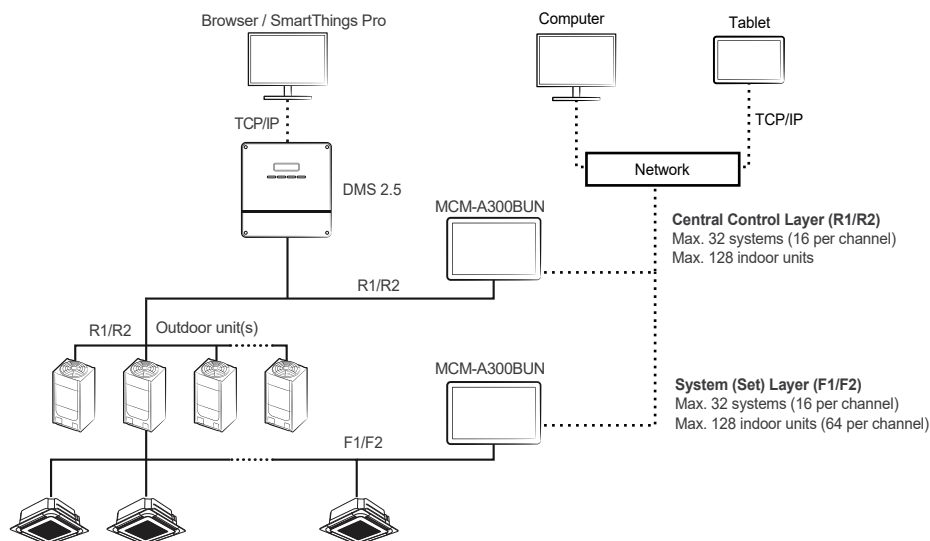
- The controller shall have two (2) communication ports that allows connection to the Central Control layer (R1/R2) or the System Control Layer (F1/F2).
- The controller supports connection up to 32 systems (max. 16 per port) when connected to the Central Control Layer (R1/R2) with maximum 128 indoor units total.
- The controller supports connection up to 2 systems (max. 1 per port) when connected to the System Control Layer (F1/F2) with maximum 128 indoor units total (max. 64 indoor units per channel).
- Power: 12VDC with included power supply (110 – 240VAC, 50/60Hz)
- RS485 communication
- Up to 16 X MCM-A300BUN controllers can connect together on R1/R2 or F1/F2 communication line
- 16 AWG X 2 shielded wire for communication wiring

Samsung HVAC maintains a policy of ongoing development. Specifications are subject to change without notice.

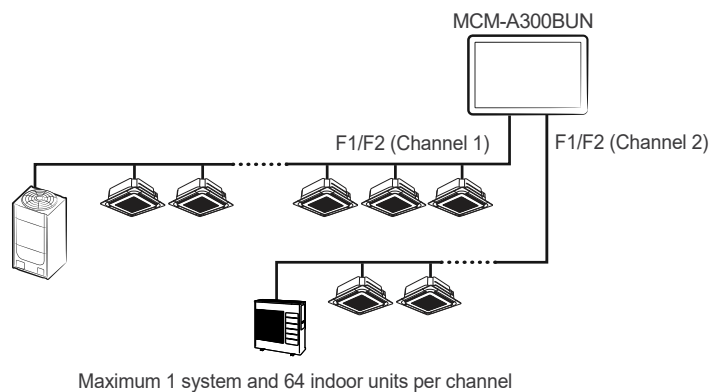
*The WindFree™ unit delivers an air current that is under 0.15 m/s while in WindFree™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE (American Society of Heating, Refrigerating, and Air Conditioning Engineers).

Connection Examples

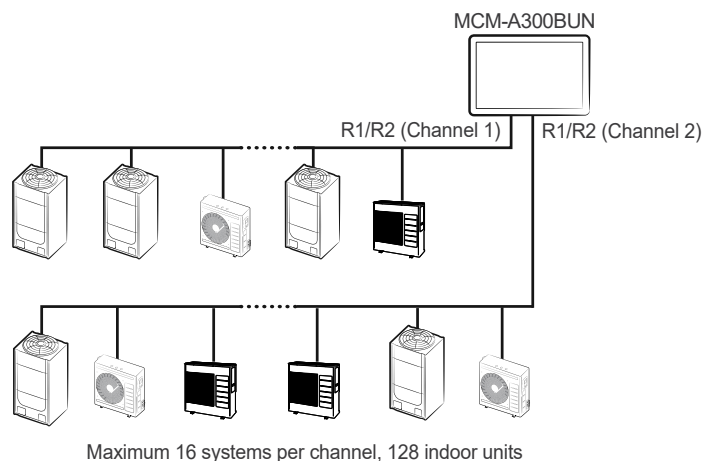
Basic Connection



System Layer Connection (F1/F2)



Central Control Layer Connection (R1/R2)



The diagrams on this page are for reference only. Refer to installation manual for wiring and installation instructions. Other configurations are possible.