

# OMEGA Touch Screen Central Controller

## FEATURES

- Support up to 48 Outdoor units.
- Support up to 384 Indoor units.
- 10.1" Touch Screen Display.
- USB Support.
- User friendly interface.
- IDU and ODU management.

## • VAMCC-D48384T Touch Screen Central Controller



## 1. Box Contains

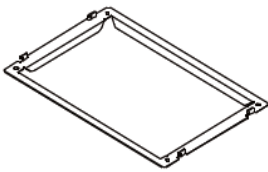
VAMCC-D48384T\*1



User Manual \*1



Mounting Board\*1



3 port terminal with gap 5.08 mm\*1



9 port terminal with gap 3.81 mm\*2



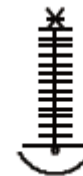
4 port terminal with gap 3.81 mm\*3



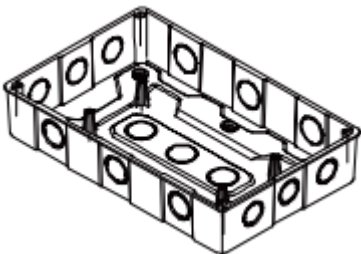
Plastic washers (Hole Diameter 4 mm)



GB/T950 M4\*20 screws (Short)\*6



Embedded Junction Box\*1



GB/T823 M5\*25 Screws (Long)\*4



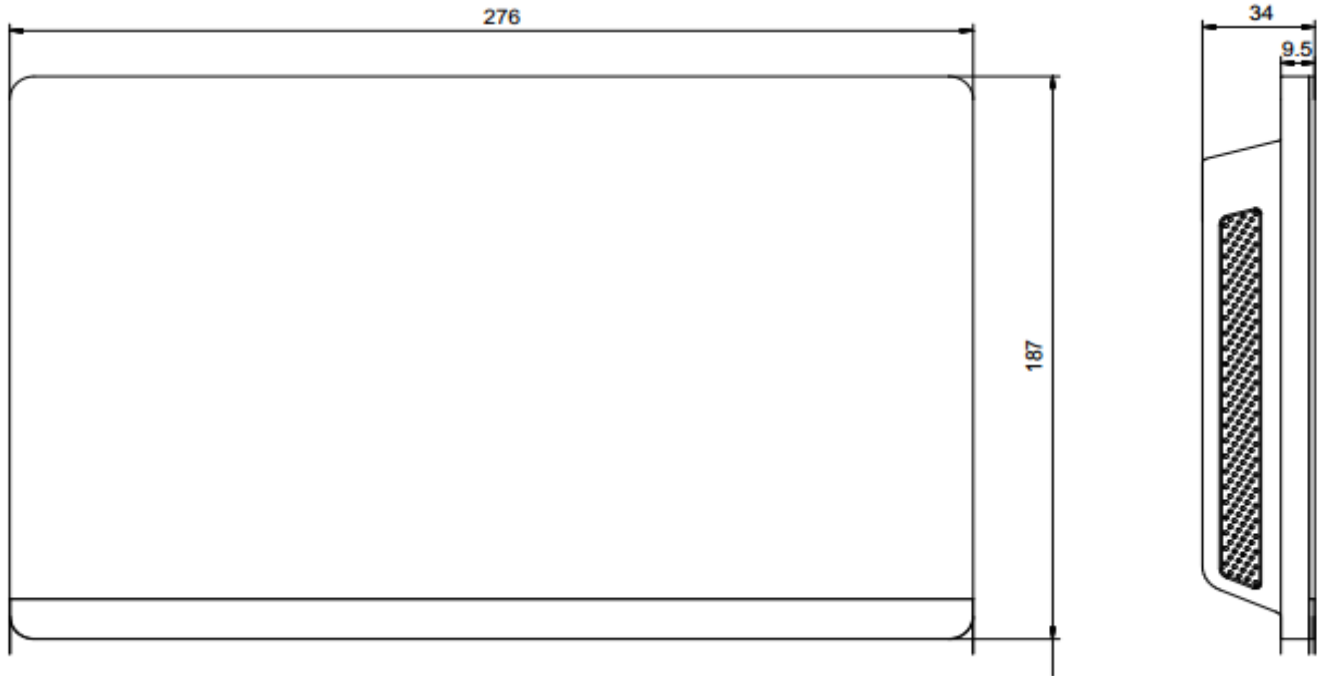
Plastic Expansion Nails\*6



**2. Dimensions & Wall Instalation Details(mm)**

**2.1 VAMCC-D48384T Front and Side Views**

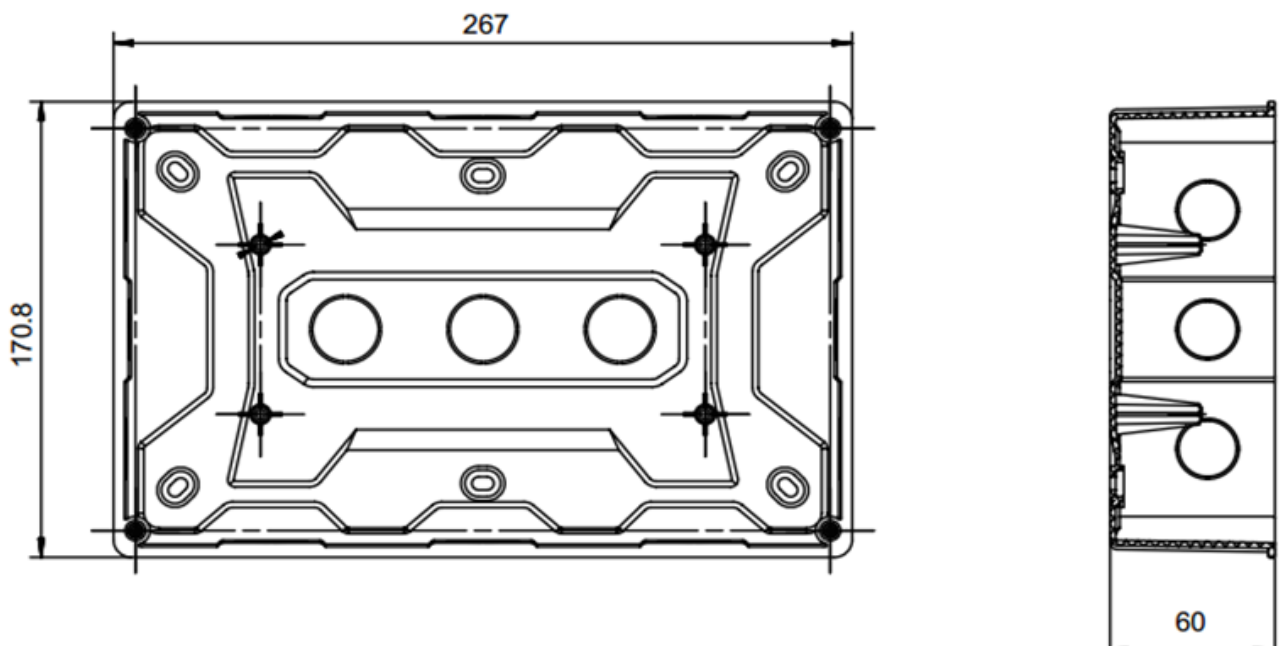
(Unit: mm)



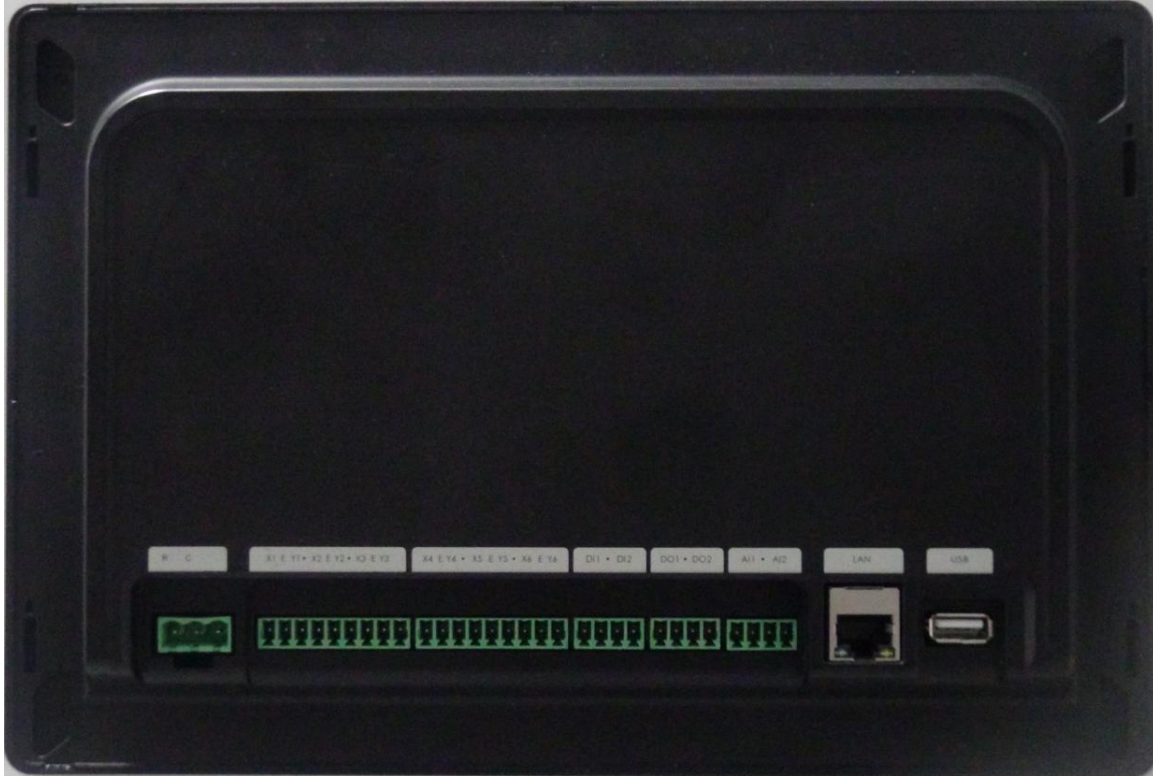
**2.2 Structural Dimensions of the embedded Junction Box**

(Unit: mm)

Before digging an opening in the wall, it should be made sure that the opening is big enough to fit the embedded junction box.



## 4. Back Wiring

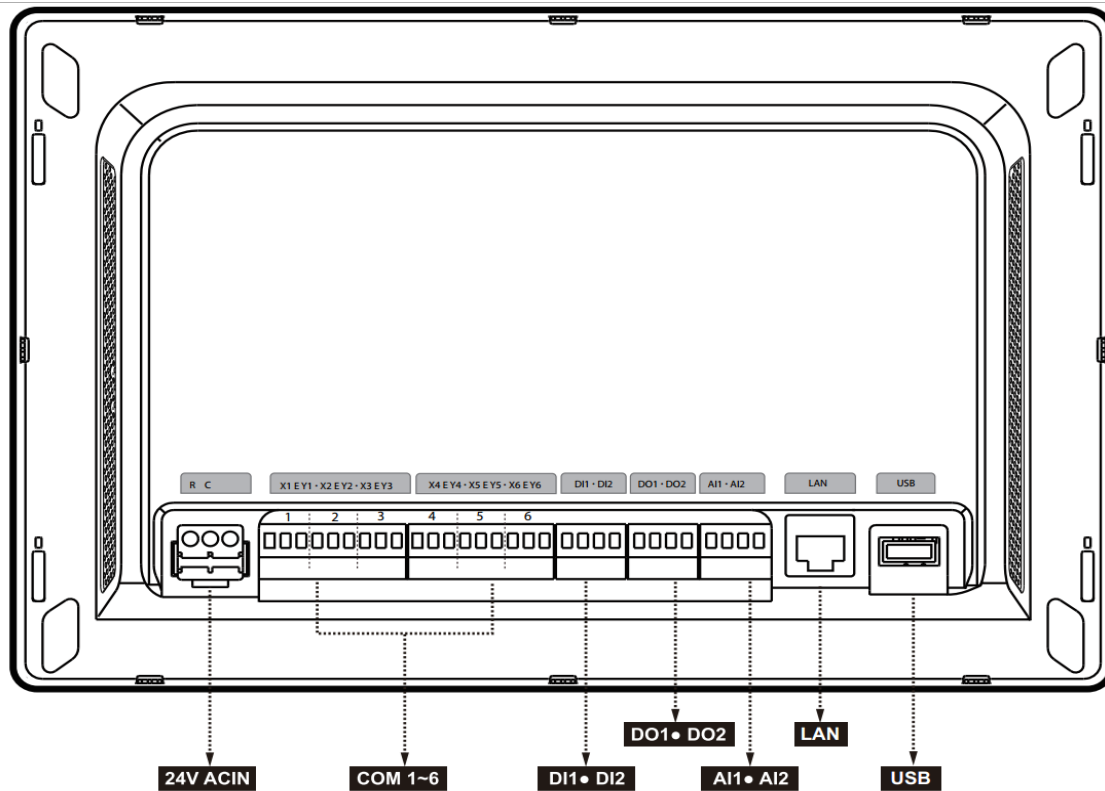


The VAMCC-D48384T has six M-net ports, one LAN port, one USB extension port and six reserved I/O ports. It can connect to OMEGA system through the M-net ports and connect to the local area network or internet through the LAN port. You may also use a browser on a computer or other similar devices to access the VAMCC-D48384T website to monitor the VRF units or you can simply use the 10.1 inch touch screen interface of the VAMCC-D48384T.

### Important Points

1. VAMCC-D48384T must be installed at one end of the M-net communication bus. Do not install it in the middle of the bus.
2. It needs a three-core shielded cable of AWG 20-22 for the communication wires.

## 5. Port Diagram



Port	Description
R	24VAC
C	24VAC
X	Interface X , XYE bus (COM1-6)
Y	Interface Y , XYE bus (COM1-6)
E	Interface E , XYE bus (COM1-6)
DI1	Reserved
DI2	Emergency stop dry contact
DO1	Reserved
DO2	Reserved
AI1	Reserved
AI2	Reserved
LAN	The Ethernet Interface connected to the network is used to access the device
USB	The USB 2.0 interface is used to export reports, import floor plans and topology files and so on.

The touch-screen centralized controller detects the status of DI2 every 5 seconds. When DI2 is closed, emergency stop is triggered, and the controller records the operating modes and set temperatures of IDUs that are active at that moment, and sends a shutdown command to these IDUs. Then, the controller detects the statuses of DI2 and IDUs every 60 seconds. If DI2 is still closed, the controller continues to send shutdown commands to IDUs. If DI2 is open, the controller releases the emergency stop. If "Recovery after emergency stop" is enabled, the controller sends a startup command to these IDUs and restores the IDUs to the recorded operation statuses before the emergency stop. After emergency stop is released, the controller will enable "Recover devices after emergency stop" according to configurations in "Advanced Settings".

Note: Emergency stop can be triggered only on devices that have been started up for more than 3 minutes.

## 6. Specifications

<b>Power Supply Specifications</b>	Voltage Range	Single Phase , 24VAC , 50/60Hz
<b>Operating Conditions</b>	Power Consumption	24 W Maximum
	Voltage Fluctuations	±10% of Rated value
	Ambient temperature	0~40°C
	Storage Temperature	-10~60°C
	Dimensions (mm) (W*H*D)	270×183×26.7
<b>Dimensions</b>	Ambient Humidity	10~90%
<b>Weight</b>	0.85 Kg	
<b>Device Color</b>	Black	

Parameter	Number
Number of ports	6
Communication Wire Interface	XYE
Maximum No of Indoor Units	6*64
Max No of Systems	6*8
Internet Access Mode	Ethernet/WLAN
Screen Resolution	1280*800
USB	USB2.0
Power Supply	24VAC

Parameter	VAMCC-D48384T
Touch Screen	10.1 Inches
Centralized Controller	Can be used as centralized controller without any computer
Maximum No. of Systems	8*6
Map View	Available
IDU Grouping Function	Available
Maximum No. of IDUs	384
Independent Control without Computer	Available
Email Support	Available
Eco Control of IDU & ODU	Available
Wi-Fi Support	Available
Schedule	Available
USB Support	Available
Brightness Adjustment	Available
Electricity Distribution Function	Available
Energy Statistics Record Time	12 months