ButterflyMX

12" Surface Mount Intercom
Product Specifications

Display

- Brightness: 1500 nit (cd/m2)
- Diagonal length: 12.1"
- Resolution: 1280 × 800
- Contrast ratio: 1000 (typical)
- Capacitive touch with multi-touch capability
- Anti-reflection and anti-fingerprint coated (anti-UV for the blacked-out portion around the screen)
- Chemical resistant: 26H (hardness)

Features

- Credential reader (RFID, compatible with ButterflyMX Access Control System)
- Wide-angle camera for optimized field of view
- Audio noise cancellation
- Security light
- ADA-compliant help button on bottom of intercom
- Intuitive mounting system design
- Robust aluminum housing with silver powder coating
- Temperature: -40°C ~ +60°C (-40°F ~ +140°F); 5-95% humidity non-condensing

Dimensions

- 12.45" H x 11.63" W x 2.43" D (maximum depth)
- Weight (with mounting plate): 7lbs 13oz

Power Requirements

- Intercom input voltage: 9-24VDC (powered by AC power brick)
- DC Output: DC +24V @ 2.08A
- Standby Power Consumption: 16.8W
- Max Power Consumption: 38W
- Relay Max Switching Current: 2A (Max Switching Power 62.5VA)
- UPS required, not provided

Network Requirements

- Wired connectivity: Ethernet (Cat 5e/Cat6, minimum bandwidth of 2 Mb/s)
- Wireless: WiFi (802.11ac, 5GHz)
- Alternative connectivity methods: Point-to-point, Cellular router
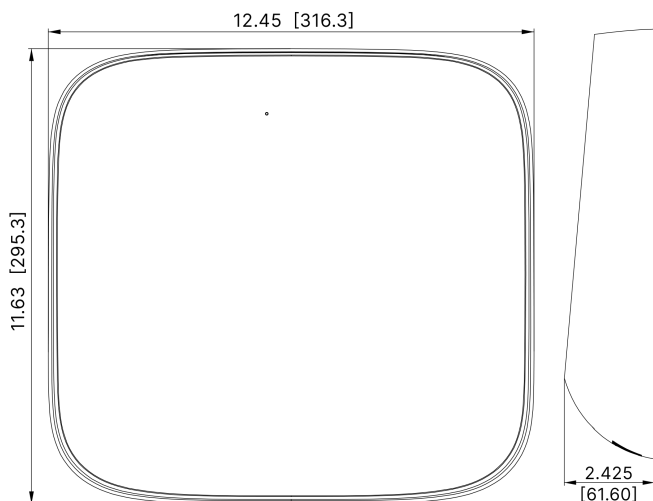
Certifications

- IP65 dust and water resistance
- FCC Part 15
- IC (Canada)
- CE (EU)
- UL 62368, 50E, 294
- CP65
- TSCA
- IFETEL and NOM
- Materials: REACH, WEEE 3R, and ROHS
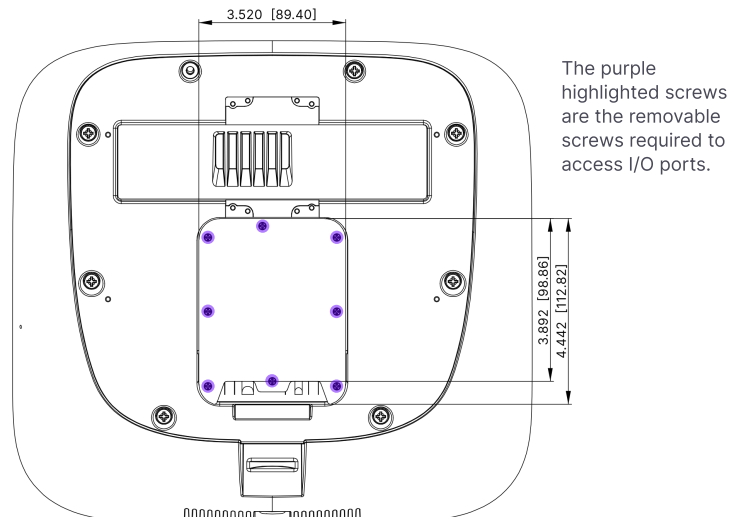
ButterflyMX

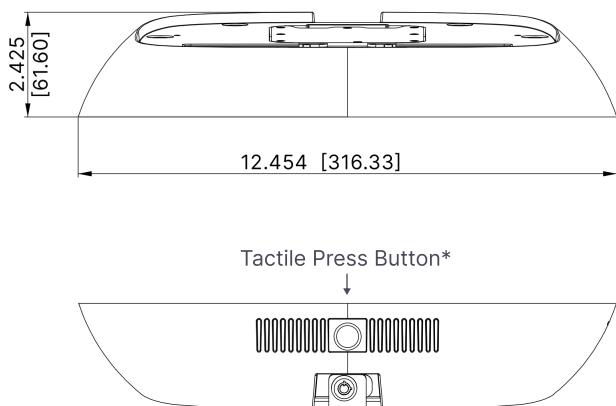# 12" Surface Mount Intercom

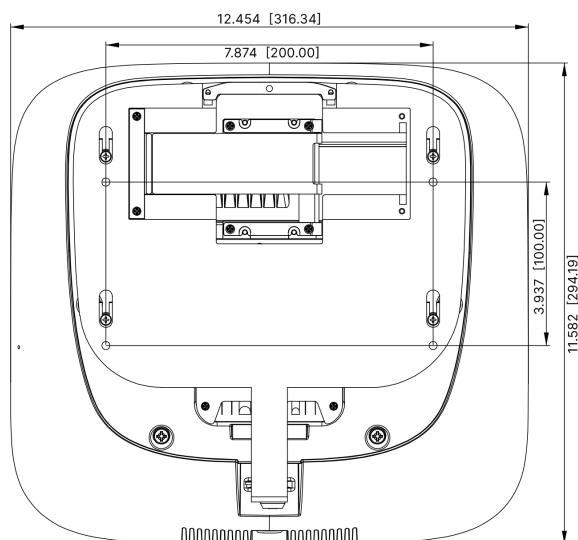Product Cut Sheet

⚠ Images are not to scale.

Front and Side of Intercom

12.45 [316.3]

11.63 [295.3]

2.425 [61.60]

Rear Side of Intercom

3.520 [89.40]

The purple highlighted screws are the removable screws required to access I/O ports.

3.892 [98.86]
4.442 [112.82]

Top and Bottom Side of Intercom

2.425 [61.60]

12.454 [316.33]

Tactile Press Button*

Rear Side of Arm and Intercom

12.454 [316.34]

7.874 [200.00]

3.937 [100.00]

11.582 [294.19]

(800) 398-4416 ext. 2

support@butterflymx.com

butterflymx.com

12" Surface Mount Intercom

Product Cut Sheet

⚠ Images are not to scale.

Back Plate

12.454 [316.34]
7.874 [200.00]
3.937 [100.00]
11.582 [294.19]
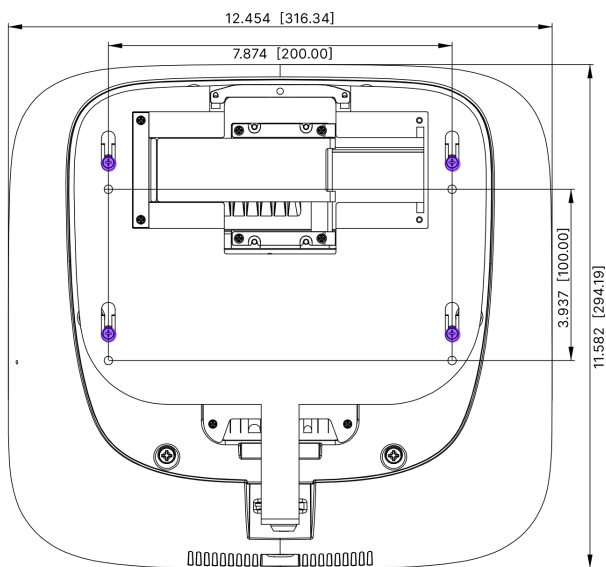
The purple highlighted holes are for mounting.

I/O Plate Removed
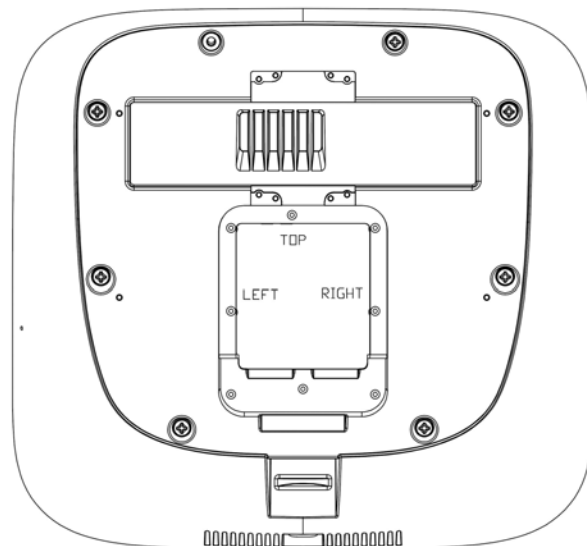
TOP
LEFT   RIGHT

Left Side Interface
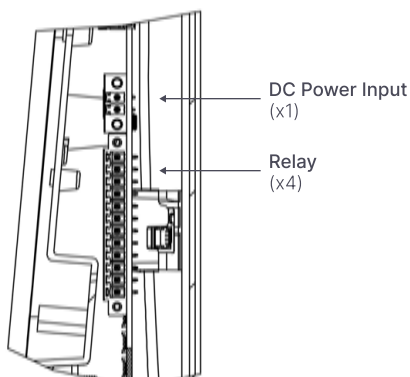
DC Power Input (x1)
Relay (x4)

Right Side Interface

WPS
Digital Input (x3)

Top Side Interface

Ethernet (x1)   USB-A (x2)   Micro USB (Not used)

Version: **v2 (updated 03/03/25)**
Software: **v2.1**

©2025 ButterflyMX, Inc.

(800) 398-4416 ext. 2

support@butterflymx.com
butterflymx.com
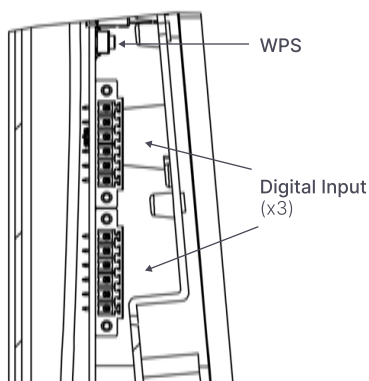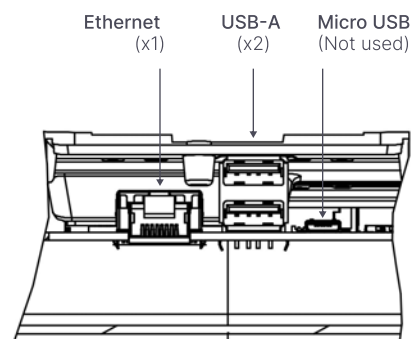
12" Surface Mount Intercom

Product Cut Sheet

⚠ Images are not to scale.

Door Open (Interior Panel Diagram Detail)

Ethernet (RJ45)	USB-A	Micro USB	WPS

GND   DI1(5V)
VI   DI2(5V)
    GND
DO4-NO   DI3(5V)
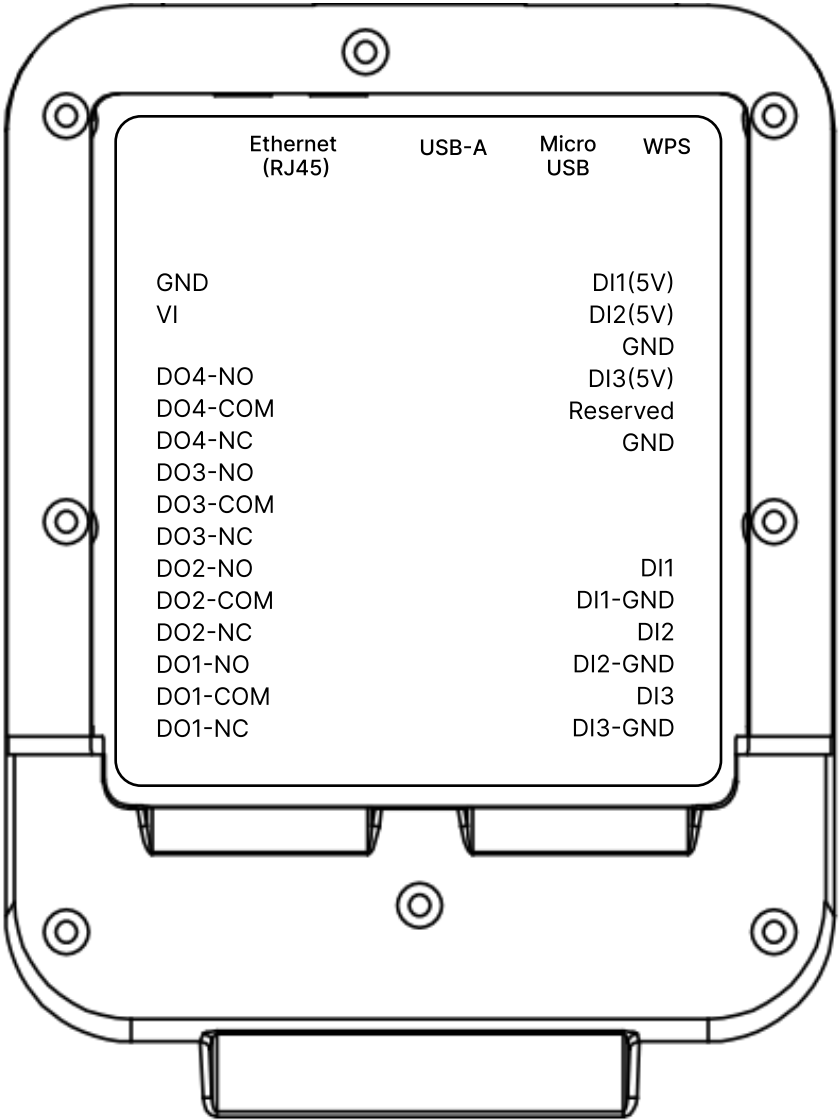DO4-COM   Reserved
DO4-NC   GND
DO3-NO
DO3-COM
DO3-NC
DO2-NO   DI1
DO2-COM   DI1-GND
DO2-NC   DI2
DO1-NO   DI2-GND
DO1-COM   DI3
DO1-NC   DI3-GND

Version: **v2 (updated 03/03/25)**

Software: **v2.1**

©2025 ButterflyMX, Inc.

(800) 398-4416 ext. 2

support@butterflymx.com

butterflymx.com

12" Surface Mount Intercom

Product Cut Sheet

⚠️ Images are not to scale.

ADA Guidelines

12.454 [316.34]

7.874 [200.00]

49 ⁴⁵⁄₆₄

47 ⁷⁵⁄₁₂₈

3.937 [100.00]

11.582 [294.19]

43 ⁴³⁄₆₄
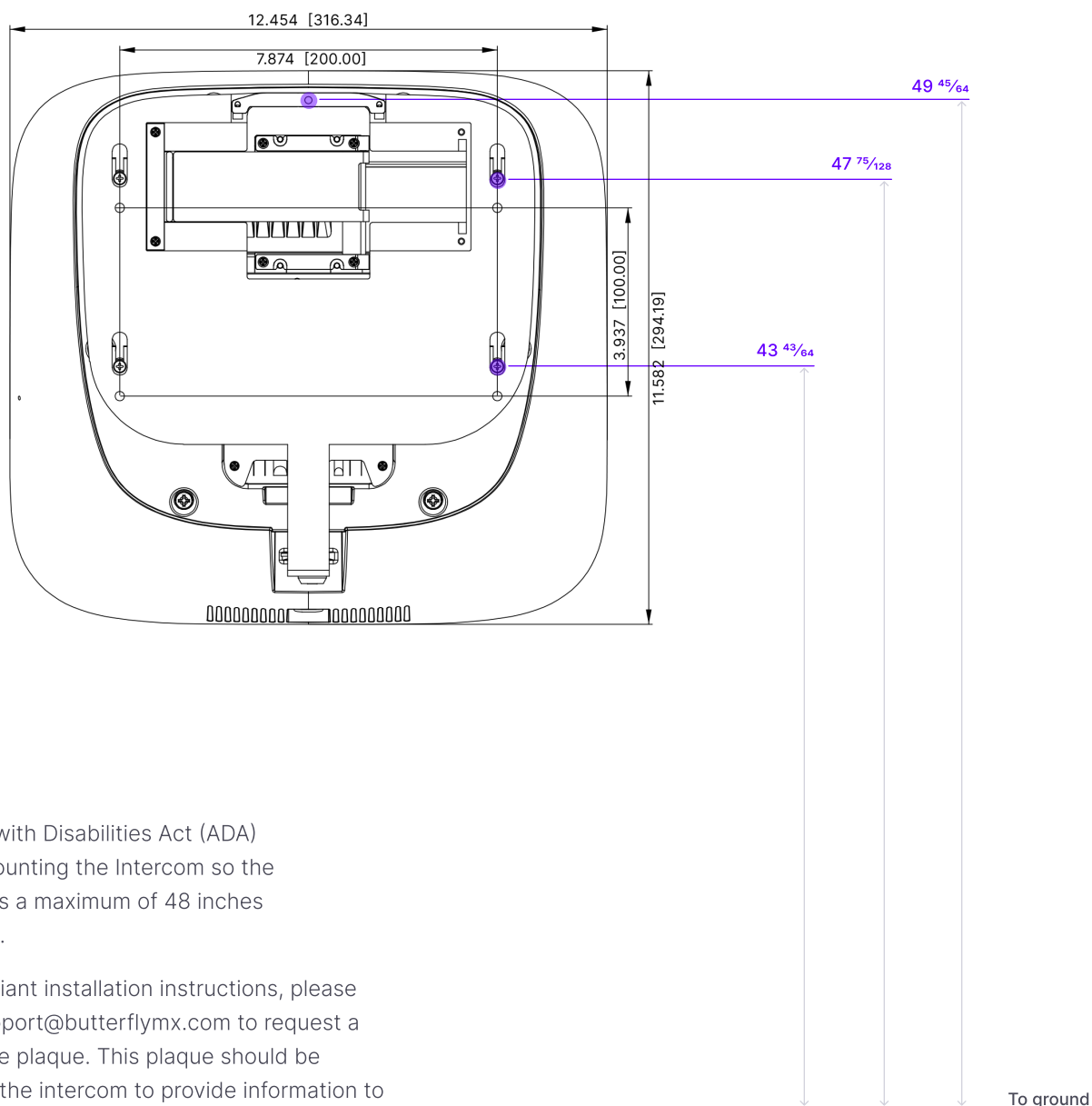
To ground

The Americans with Disabilities Act (ADA) recommends mounting the Intercom so the touchable area is a maximum of 48 inches from the ground.

*For ADA-compliant installation instructions, please reach out to support@butterflymx.com to request a Braille and tactile plaque. This plaque should be mounted below the intercom to provide information to users about the tactile button available for assistance.

Version: **v2 (updated 03/03/25)**
Software: **v2.1**

©2025 ButterflyMX, Inc.

(800) 398-4416 ext. 2

support@butterflymx.com
butterflymx.com