

# FX-1605

AMD® Ryzen™ V1605B Processor based Mini PC  
with 4DP



## Features

- CPU: AMD Ryzen V1605B Processor
- Memory: Dual Channel SO-DIMM DDR4 for Memory up to 32GB
- Display: AMD Radeon Vega 8 Graphics, Displays via 4xDP
- I/O Ports: 2xLAN, 2xCOM, 2xUSB3.2, 4xUSB2.0
- Expansion: 1x M.2 for WiFi
- Storage: 1xM.2 for SSD, SATA3.0
- Power: 12V DC-in



## Introduction

The Maxtang FX1605 is an embedded mini pc base on the AMD Ryzen V1605B processor with Radeon™ Vega 8 Graphics. Supports multiple displays via 4DP, dual-channel DDR4 up to 32GB for its memory, two 10/100/1000 Mbps ethernet controllers, M.2 and SATA3.0 for storage, and an additional M.2 for WiFi. A rich I/O interface includes 2x USB3.2, 4xUSB2.0, 2xCOM, 2xLine-out, 2xMic-in with standard 12V DC-in caters to most markets requirements. It can provide excellent performance with greater space-saving.

The FX1605 is an ideal solution for various applications. It retains the robust design of all Maxtang product lines at a new cost-effective price point. Its powerful features provide you an outstanding visual experience, increase your productivity with stability, reliability. Our goal is to provide the best products with high quality and cost advantages.



H/W Monitor



Watchdog

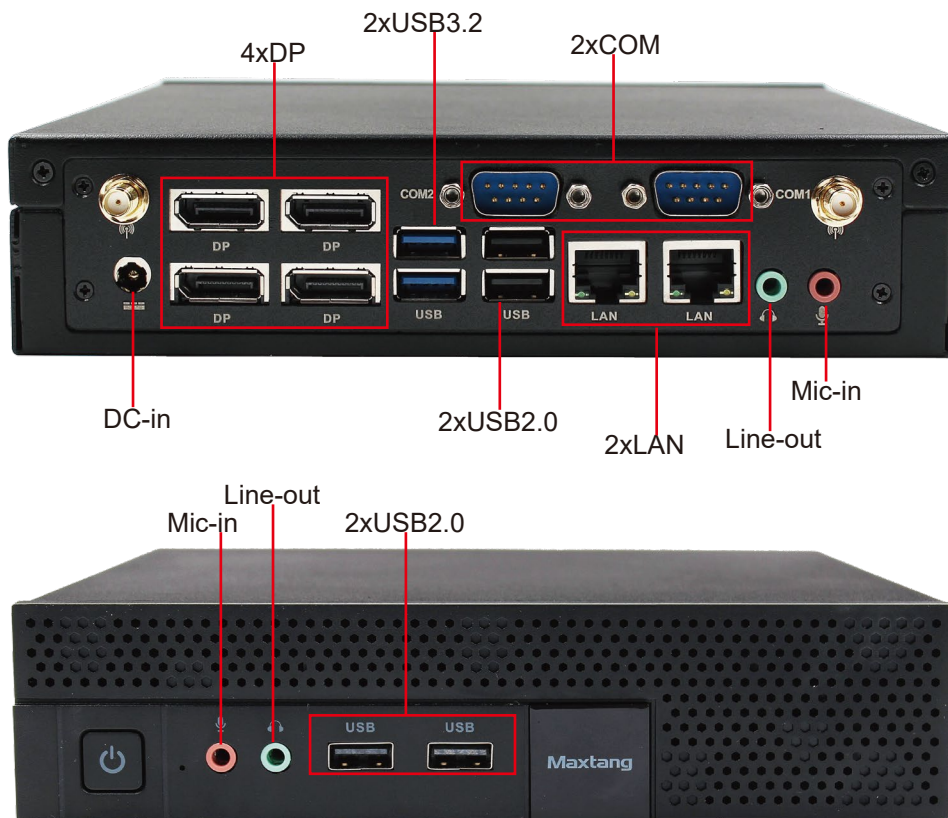


GPIO



Brightness

## I/O Interfaces

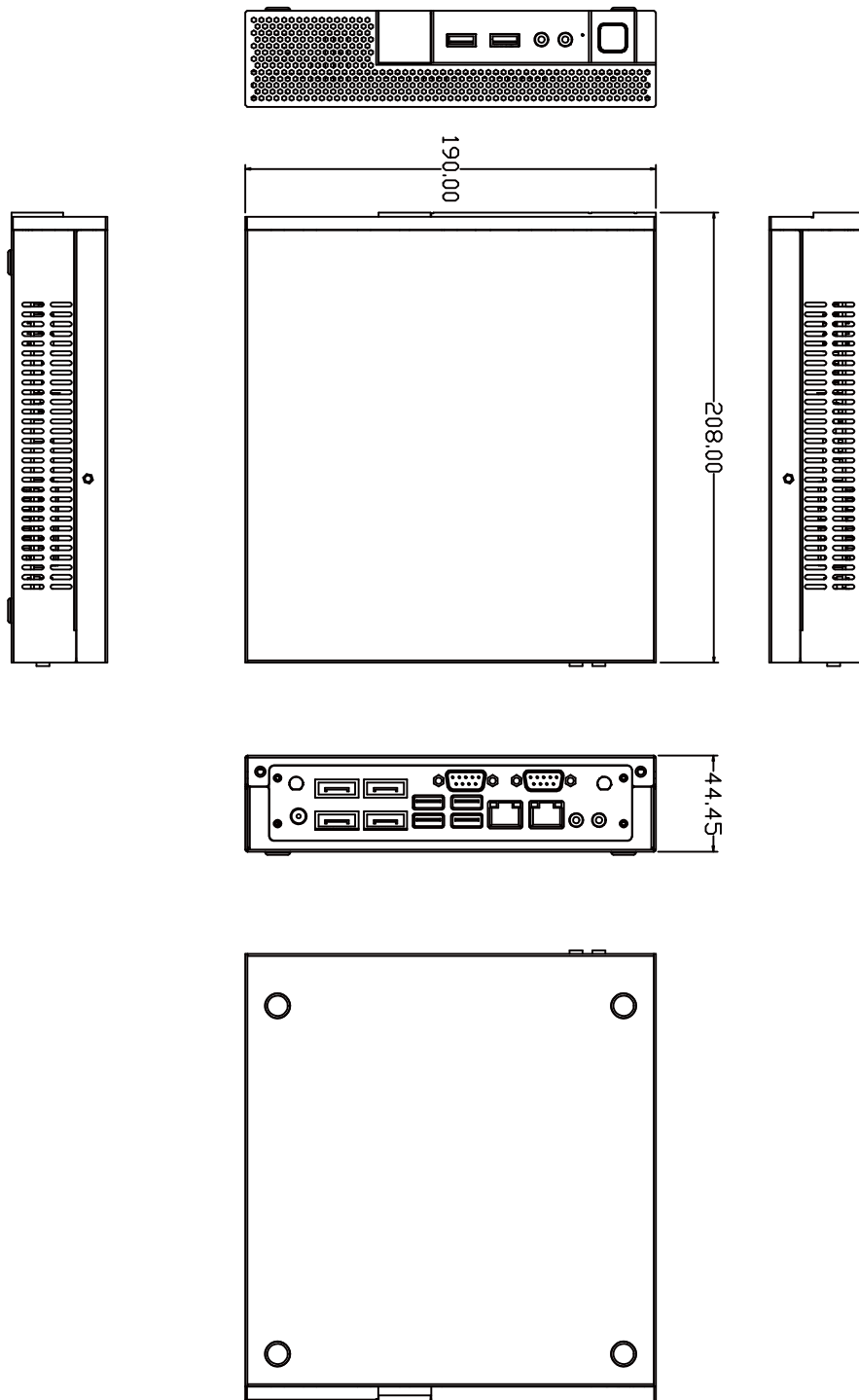


## Technical Specifications

|                  |                 |  |                                    |
|------------------|-----------------|--|------------------------------------|
| Processor        | CPU             | V1605B   |                                    |
|                  | Max Boost Clock | 3.6 GHz  |                                    |
|                  | Base Clock      | 2.0 GHz  |                                    |
|                  | Cache           | 2MB L2   |                                    |
|                  | BIOS            | AMI UEFI BIOS  |                                    |
| Memory           | Type            | Dual Channel SO-DIMM DDR4  |                                    |
|                  | Max Capacity    | 32GB   |                                    |
| Display          | GPU             | Radeon™ Vega 8 Graphics  |                                    |
|                  | Display Port    | 4xDP, Resolution up to 3840x2160 for single displa, supports Eyefinity |                                    |
| Ethernet         | Speed           | 10/100/1000 Mbps   |                                    |
|                  | Controller      | RTL8111H   |                                    |
|                  | Interface       | RJ-45  |                                    |
| Audio            | Audio Codec     | Realtek HD   |                                    |
|                  | Interface       | Line-out+Mic-in, Audio header, Amplifier header                        |                                    |
| Hardware         |                 | CPU temperature, system temperature, onboard voltage, watchdog         |                                    |
| Storage          | M.2             | 1x M.2 for 2280 SSD/4G   |                                    |
|                  | SATA3.0         | 1x SATA3.0   |                                    |
| Expansion        | M.2             | 1x M.2 for Wi-Fi   |                                    |
| I/O Interface    | DP              | 4  |                                    |
|                  | USB2.0          | 4  |                                    |
|                  | USB3.2          | 2  |                                    |
|                  | LAN             | 2  |                                    |
|                  | COM             | 2  |                                    |
|                  | Line-out        | 2  |                                    |
|                  | Mic-in          | 2  |                                    |
|                  | TPM             | Onboard, Optional  |                                    |
|                  | Dimension       | Size   | 208 mm x 190 mm x 45mm (L x W x H) |
|                  | Power           | Standard Port  | 12V DC-in                          |
| Temperature      | Operating Temp. | -0°C to 50°C   |                                    |
|                  | Storage Temp.   | -20°C to 70°C  |                                    |
| Cooling          |                 | Active   |                                    |
| Operating System |                 | Win 8/10 64bit, Linux 64bit  |                                    |

\*All specifications and photos are subject to change without notice.

Dimension(in mm)



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