VFFP-30

Ultra thin Mini PC based on AMD® Ryzen™ Quad-Core
Processor with RADEON Vega 8 Graphics

Maxtang®

MAXIMIZING YOUR COMPUTING PRODUCTIVITY

Product Introduction

VFFP-30 is based on AMD Ryzen™ 2500U (quad-core) and V1605B (quad-core) and provides a complete PC platform with high performance in a ultra compact thin design. Coming from the embedded V1000 processor family and mobile processor family, these CPUs combine the incredible performance of the pioneering "Zen" architecture and "Vega" GPU in a single chip with thermal design power (TDP) as low as 12W/15W. This PC is equipped with two faster and better DDR4 SO-DIMM slots with a total maximum capacity of 32GB to add higher bandwidth and lower latencies for processes. And it also features 3×M.2 that support Wi-Fi, 4G module and High-speed NVMe SSD.

Two independent 4K monitors are supported via the DP and HDMI2.0 ports. It also has rich interfaces including 4×USB2.0, 2×USB3.0, 1×COM, 1×Mic-in, 1×Line-out and 2×LAN, catering to most requirements in the market. This AMD Ryzen™ system is an ideal integrated platform for various application as, automation, network security, casual gaming, and daily computing tasks.

Features

- Developed on low power Ryzen™ 5 2500U & V1605B processor
- Support dual channel DDR4-2400MHz up to 32GB
- High performance 4K Multimedia Graphics via HDMI2.0 and DP
- M.2 interface for SSD, WiFi, 4G module
- Features USB 3.0, USB 2.0 & USB Type-C™ Support
- Intelligent fan cooling design
- High performance in small form factor – smaller board, lower power
- Embedded, VESA mount and desktop ready for easy installation
- High quality aluminium enclosure

CPU Options

AMD Ryzen™ 5 2500U Processor
2GHz with Max Boost clock 3.6 GHz, 2M L2 Cache, Quad Core

AMD Ryzen™ Embedded V1605B Processor
2GHz with Max Boost clock 3.6 GHz, 2M L2 Cache, Quad Core

Key features

The VFFP-30 is designed with AMD Ryzen™ Embedded V1000 processor and 2500U mobile processor which brings together the breakthrough performance of the pioneering AMD "Zen" CPU and "Vega" GPU architecture that sets a new standard in processing power for next-generation mini pc designs. With new processors up to 4 cores and upto 8 threads, the platform supports up to 32GB (16 x 2) of DDR4-2400 MHz memory for outstanding gaming and home entertainment

4K Display Experience

The VFFP-30 features one HDMI (version 2.0) & one DP output to support 4K resolution (4096 x 2160) at a maximum of 60FPS a which allows viewers to enjoy watching video, viewing images and playing games in stunning 4K UHD resolution. Support for dual displays lets you extend your workspace across multiple monitors for more efficient and comfortable productivity.

Operating System Support

- Windows 10 64bit
- Linux 64 bit

Flexible Storage Expansion

It features a storage design with High speed M.2 for NVMe SSD. So whether you're after larger storage capacities to store your music, videos, photos, apps and other data; or faster data access speeds, there is enough to suit your

Ultra thin Design

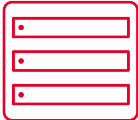The pc is in a stylish metal case that takes up very little room to help you maintain a clutter-free workspace

DESKTOP PERFORMANCE, MINIATURIZED

VFFP-30 fits all your home and industrial computing needs in a compact, thin, lightweight mini PC that's only slightly larger than a router at home. It combines desktop-like processing performance with incredible energy-efficiency. It provides a flexible, customizable engine to drive home theater PCs, media server PCs, and intelligent computing into small

Operable in -20~60℃

The VFFP-30 uses industrial capacitors in order to meet the environmental operation demands of commercial applications.

Extensive Connectivity options

The VFFP-30 series features two USB 3.0 ports, four USB 2.0 ports and one USB Type-C as well as one SIM Slot for convenient, flexible connectivity

VESA Mount ready

The VFFP-30 series is VESA mount compliant and allows for versatile integration into hardware systems. This space-saving capability is well-suited for digital signage and kiosk applications with limited space.

Quality you can trust

Fully-tested for extreme reliability, wide compatibility and assured safety as each unit being subjected to a series of reliability and quality tests to ensure they meet our exacting standards.
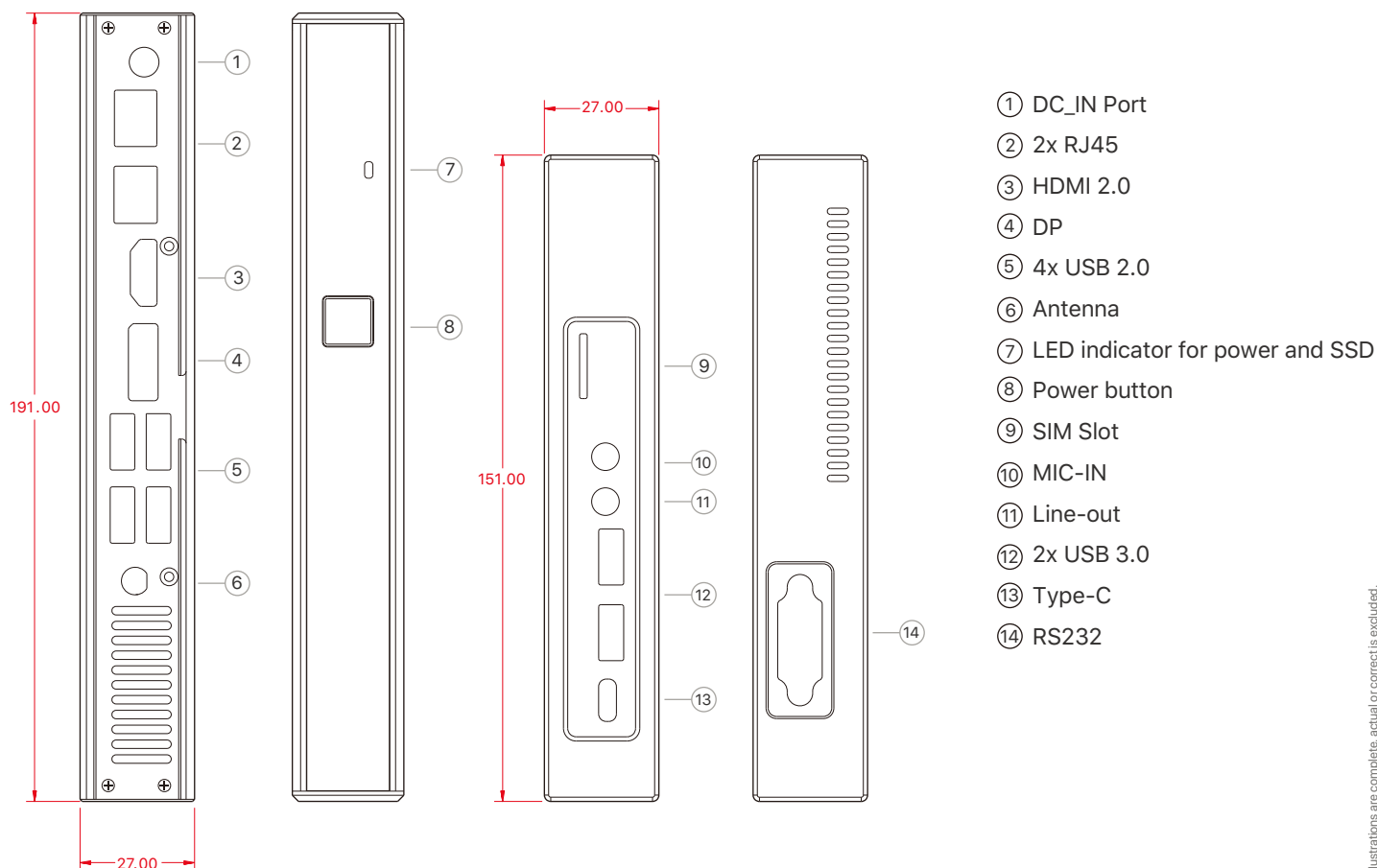
Silent Fan Cooling design

Active cooling through silent fan to keep the high performance CPU at optimum performance level. It ensures it operates in total silence even under full load so you can fully enjoy your music and movies. Ideal to place it in your bedroom, your home and office

Technical Specifications

Processor	CPU	AMD® Ryzen™ 2500U (quad-core)	AMD® Ryzen™ Embedded V1605B (quad-core)
	Max boost clock	3.6 GHz	3.6 GHz
	Base clock	2.0 GHz	2.0 GHz
	Cache	2MB L2	2MB L2
Memory	Type	2×SO-DIMM slot DDR4	
	Max Capacity	32GB	
Display	GPU	AMD Radeon Vega 8 Graphics	
	Display Interface	1x HDMI 2.0, 1x DP 1.4 (4K resolution up to 4096x2160 @60Hz)	
Storage	M.2	1 for 2280 NVMe SSD	
		1 for 2242 SSD or 4G module	
Expansion	M.2	1x M.2 for WiFi	
Ethernet	Speed	2x Gigabit Ethernet	
	Controller	Realtek RTL8111H	
	Interface	2×RJ45	
Rear Panel	HDMI	HDMI Out 2.0 x 1	
	DP	1	
	USB	4 x USB 2.0	
	LAN Port	2x Gigabit Lan Port	
	DC_IN	1	
Other I/O Interfaces	Audio	Mic in, Line out	
	USB 3.0	2	
	Type –C	1	
	Sim	1	
	COM port	1x RS232	
Power	Power Consumption	12V DC_IN	
	Power input	100 - 240V, 50 Hz	
	Power Adapter	AC 12V	
Dimension	L*W*H	191L x 151W x 27H mm	
Weight	N.W	1 Kg	
Operating Environment	Operating temp.	0 ºC ~60 ºC	
	Storage temp.	-20 ºC ~80 ºC	
Enclosure		100% Aluminium	
Cooling		Fan cooling	
Operating System		Win10 64 bit, Linux 64 bit	

Interfaces & Dimensions

① DC_IN Port
② 2x RJ45
③ HDMI 2.0
④ DP
⑤ 4x USB 2.0
⑥ Antenna
⑦ LED indicator for power and SSD
⑧ Power button
⑨ SIM Slot
⑩ MIC-IN
⑪ Line-out
⑫ 2x USB 3.0
⑬ Type-C
⑭ RS232

Ordering Information

Model	CPU	Memory	HDMI	DP	LAN	Audio	USB3.0	USB2.0	COM	M.2	Type-C	SIM	Power	Cooling
VF2500U-B0	2500U	2x DDR4	1	1	2	Yes	2	4	1	3	1	1	DC-IN	Fan
VF1605B-B0	V1605B	2x DDR4	1	1	2	Yes	2	4	1	3	1	1	DC-IN	Fan
Customization available														