

# IBOX-V1K0

Embedded Box System with AMD® Ryzen™  
Embedded V1605 Processor



Quad Display



ECC Support



4K2K

Performance Box PC

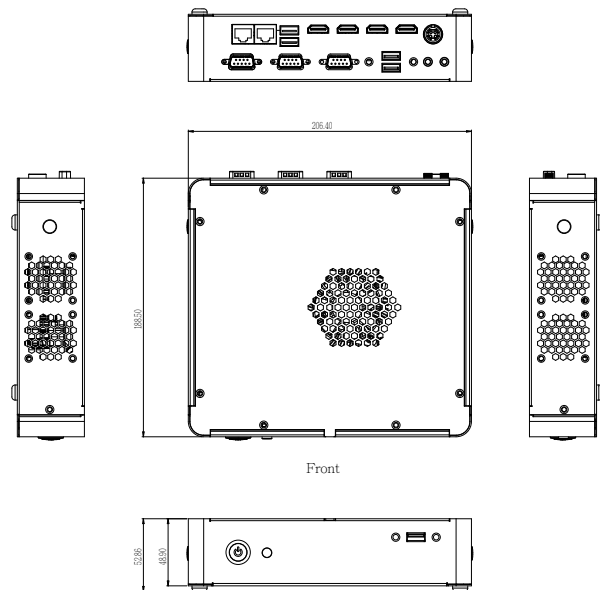
## Key Features

- AMD® Ryzen™ Embedded V1000 APU onboard
- High Performance "Zen" Core CPU + "VEGA" Graphics GPU
- Four 4K@60 monitors support
- Multi-Display: 4 x HDMI
- 2 x LAN, 2 x USB 3.1
- 1 x SATA III, 1 x Mini-PCIe(w/uSIM), 1 x M.2 M-key 2260(SSD)
- DC-in 12V

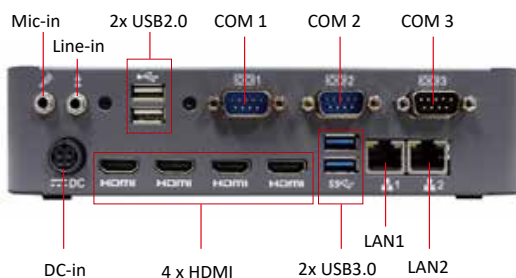
## Product Specification

System color	Grey
Mechanical	Metal
CPU	AMD® Ryzen™ Embedded V1000 series APU V1605 2.0GHz, QC (12-25W)
Chipset	AMD® Ryzen™ Embedded V1000 series APU integrated
Graphic	AMD® VEGA graphics up to 11CU
BIOS	AMI UEFI Flash ROM
System memory	2 x DDR4 SO-DIMM, max. 32GB
System I/O	4 x HDMI, 3 x COM, 2 x USB 3.1, 3 x USB 2.0, 2 x LAN, 1 x Audio
Ethernet	2 x Gigabit Ethernet (Dual Intel® i211Gigabit LAN)
Storage support	1 x SATA III, 1 x M.2 M-key 2260(SSD)
Audio	Mic-in, Line-out
Expansion slot	1 x Mini-PCIe (Full size with Micro-SIM)
System indicators	1 x Power LED
System controls	1 x Power on switch
Digital I/O	N/A
Watchdog timer	Interval: Programmable 1 ~ 255 sec. Output: System reset
OS Support	Win7, Win8.1, Win10, Linux
Power supply	DC-in 12V
Operating temperature	0°C ~ 40°C
Storage temperature	-20°C ~ 60°C
Relative humidity	0% ~ 90% (non-condensing)
Mounting	Desktop
Dimensions	206.4mm(W) x 188.5mm(D) x 48.9mm(H)
Weight	1.77 kg

## Dimensions



## Rear I/O



## Optional

Power cord	US (VN00000100CU) / EUR (VN00000200CU) / JP (VN00000300CU) / UK (VK00028600CU)
------------	--

## Ordering Information

Part Number	description
IBOX-V1K0-1605-NF00-0000	AMD Ryzen V1605B 25W,4HDMI.3COM/5USB/2LAN/1A UDIO,Barebon.DC12V Input w/Adatper

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660