

COMBox-V

x86 Family



Fanless industrial BoxPC based on Intel® Core™ mobile processor series (6th and 7th Generation).

HIGHLIGHTS

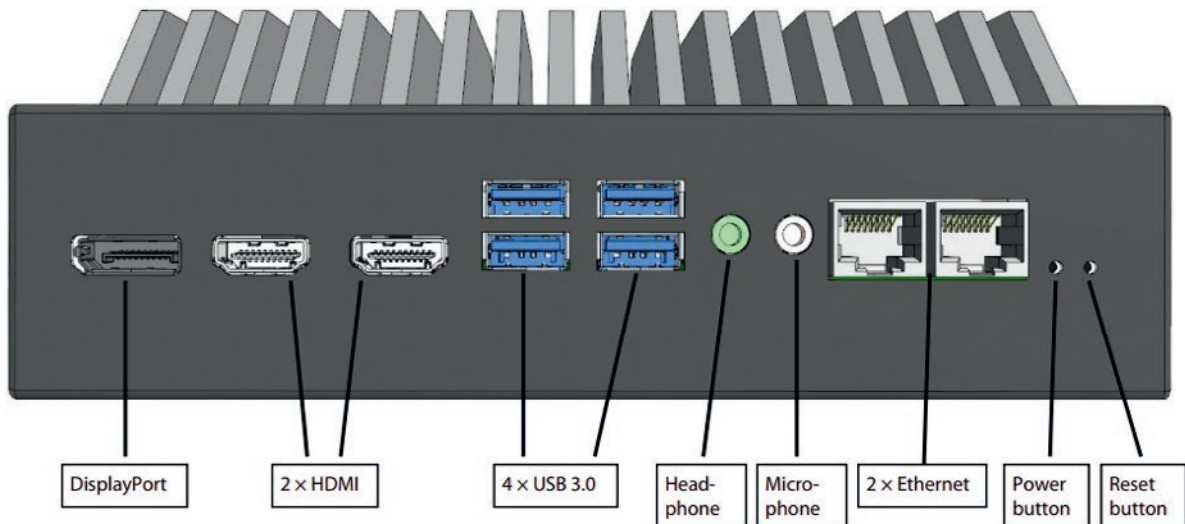
- ▶ High End Embedded Computing
- ▶ Up to 32 GB DDR4-2400 with ECC-Option
- ▶ 3x 4K Display Outputs (DisplayPort/HDMI)
- ▶ Impressive video and multimedia performance
- ▶ 2x Gbit Ethernet
- ▶ 4x USB 3.0
- ▶ Audio
- ▶ Prepared for wireless communication
- ▶ Fanless design
- ▶ Quality Made-in-Germany
- ▶ Individual configurations and ODM branding

TECHNICAL SPECIFICATION

CPU	Intel® Core™ mobile processors (Kaby Lake-H) Xeon E3-1505L v6 (4x 2.2/3.0 GHz, 8 MB, 25 W) Core i7-7820EQ (4x 3.0/3.7 GHz, 8 MB, 45 W/35 W) Core i5-7442EQ (4x 2.1/2.9 GHz, 6 MB, 25 W) Core i3-7102E (2x 2.1 GHz, 3 MB, 25 W) Others (6 th /7 th generation) on request
Memory	8 GB, 16 GB or 32 GB DDR4, Dual Channel (ECC option for Core i3/Xeon)
Graphics interfaces	1x DisplayPort (DP++) with up to 4K UHD resolution 2x HDMI v1.4b with up to 4K UHD resolution
Interfaces	2x Gbit Ethernet, 4 kV isolation (meets medical specs) 4x USB 3.0 (with USB 2.0 backward compatibility) Audio 2x 3.5 mm (headphone out, microphone in)
Internal mass storage and extension sockets	1x Mini PCIe socket (full size, with micro-SIM card support) 1x M.2 2230 Key E socket (PCIe x1 and USB 2.0) for IO 1x M.2 2280 Key M socket (PCIe x4 and SATA) for SSD 1x 2.5" HDD/SSD socket (mounting kit available)

Security components	TPM 1.2/2.0 (option)
Power supply	Voltage: 12 V DC Connector type: Phoenix MSTBA2,5/2-G-5,08 Power: typ. 10-35 W/max. 80 W (Green ECO-Off: < 5 mW) Battery: CR2032 (replaceable)
Environment	Passive cooled (no fan) Standard temperature: 0°C...+50°C (CPU TDP max. 35W) Relative Humidity: 10% to 90% (not condensing) IP20
Form factor/ dimensionsw	190 mm x 174 mm x 68 mm
Mounting options	Desktop, VESA100, DIN rail/wall mount (with adapter kit)
Operating systems	Windows 10 (Standard and Embedded/IoT) Linux (e.g. Ubuntu) Others on request Custom specific software images can be pre-installed.
Notes	Various internal interface connectors (USB, RS-232, 2xSATA, Audio speaker,...) can be used to extend functionality within customized chassis.

IO CONNECTORS COMBOX-V



ORDERING INFORMATION

COMBox-V-AA	Intel® Core™ i7-7820EQ (4x 3.0/3.7 GHz Turbo, 8 MB Cache, TDP 45/35 W, HD Graphics 630), CM238, 16 GB DDR4, no TPM, no mass storage, no OS
COMBox-V-AB	Intel® Core™ i3-7102E (2x 2.1 GHz, 3 MB Cache, TDP 25 W, HD Graphics 630), CM238, 8 GB DDR4, no TPM, no mass storage, no OS
Power Supply AC/DC	AC/DC power adapter 90...240 V AC to 12 V DC, 100 W, with DC power connector adapter 5/2.5-to-Phoenix 2-pin
DC Power Connector	2-pin power connector for easy installation (Phoenix FKCN2,5/2-ST-5,08)
COMSet-HDD	Mounting set for internal 2.5" HDD/SSD
Mass storage devices	Various devices like 2,5" SSD, M.2 SSD are available.
Wireless communication adapters	E.g. M.2 WLAN module with antennas and cables
DIN rail mounting bracket (adapter kit)	Can be mounted on bottom side of the chassis.
Adapter for wall mount	Can be mounted on bottom side of the chassis.
Adapter for rack mount etc.	On request

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