

### **Computing Power**



## **Graphics** $\Box$

Up to 4 Independent 4K Displays with **AMD Radeon "Vega"** graphics

# **Modularity**

2x DDR4 Dual-channel 64-bit up to 32gb; SSD SATA Module Slot M.2; NVMe Module Slot M.2; Sata 3.0 6 Gbit/s





Arduino™ compatible, enabling the platform

# Reliability ©

Processor built for the embedded market, with great durability and lasting power

for VR, AR and Mixed Reality applications

# Support 🗶

Helps guaranteed by our team and by the large community

www.udoo.org/udooboltgear

#### **UDOO BOLT GEAR FEATURES**























**MACHINE LEARNING** 



**ENTERPRISE** 



**EMBEDDED V1605B** 

QUAD CORE/EIGHT THREAD @ 2.0GHZ (3.6GHZ BOOST)

AMD RADEON™ VEGA 8

**GRAPHICS (8 GPU CU)** DIRECTX® 12, OPENCL™, OPENGL®, THE VULKAN® API

2X DDR4 DUAL-CHANNEL 64-BIT SO-DIMM SOCKETS WITH ECC SUPPORT UP TO 32GB 2400 MT/S

H.265 DECODE & ENCODE (8-BIT), VP9 DECODE

SSD SATA MODULE SLOT M.2 SOCKET KEY B 2260 (FEATURED ALSO PCI-E X2) **NVME MODULE SLOT M.2 SOCKET KEY M 2280** (PCI-E X4 GEN 3 INTERFACE) **SATA 3.0 6 GBIT/S STANDARD CONNECTOR** 

**GIGABIT ETHERNET (RJ-45) REALTEK RTL8111G** WIFI/BT COMBO MODULE SLOT M.2 SOCKET 1 KEY E 2230

> **2X USB 3.0 TYPE-A** 2X USB TYPE-C: - USB 3.1 GEN 2 - DISPLAYPORT ALTERNATE MODE - USB POWER DELIVERY (USB-PD) 3.0

2 X HDMI 1.4 / 2.0A 2 X DP ALTERNATE MODE ON USB TYPE-C

**HD AUDIO CODEC REALTEK ALC888** 3.5" COMBO CONNECTOR: HEADPHONE + MICROPHONE 3.5" COMBO CONNECTOR: S/PDIF OPTICAL + STEREO PRE-AMPLIFIED STEREO SPEAKER CONNECTORS

> FRONT PANEL HEADER, FAN CONTROLLER, RTC BATTERY INCLUDED

ARDUINO LEONARDO-COMPATIBLE I/O: - 12X ANALOG INPUTS - UP TO 23X DIGITAL I/O (7 PWM) - 1X UART, 1X I2C, 1X SPI

**3X GROVE CONNECTORS:** - 1X ANALOG INPUT, 1X UART OR DIGITAL I/O, 1X I2C OR DIGITAL I/O

**EMBEDDED CONTROLLER I/O:** - 2X UART, 2X I2C, 1X SPI, 1X FAN CONTROLLER, 10X GPIO





**DC IN JACK 19V 65W USB TYPE-C POWER DELIVERY** 



**Processor** 

**CPU Core** 

**Graphics** 

Multimedia

Memory

**Mass Storage** 

Networking

**USB** 

Video

Interface

Audio **Interface** 

Other **Interfaces** 

1/0

OS OS



Power In

**Dimensions** 

13CM X 13CM X 7CM - 5,12" X 5,12" X 2,75"