UDOO BOLT GEAR

SECO

Computing Power 🖥

AMD Ryzen™ Embedded V1605B processor
up to 3.6 GHz

Graphics 🖥

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

Flexibility 🔧

Arduino™ compatible, enabling the platform
for VR, AR and Mixed Reality applications

Reliability 🛡

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

Support ⚒

Helps guaranteed by our team and by the
large community

www.udoo.org/udooboltgear

FEATURES	UDOO BOLT GEAR	FIELDS

Processor	AMD RYZEN™ EMBEDDED V1605B	**WORKSTATION**
CPU Core	QUAD CORE/EIGHT THREAD @ 2.0GHZ (3.6GHZ BOOST)	**HOME CINEMA**
Graphics	AMD RADEON™ VEGA 8 GRAPHICS (8 GPU CU)	
Multimedia	DIRECTX® 12, OPENCL™, OPENGL®, THE VULKAN® API H.265 DECODE & ENCODE (8-BIT), VP9 DECODE	
Memory	2X DDR4 DUAL-CHANNEL 64-BIT SO-DIMM SOCKETS WITH ECC SUPPORT UP TO 32GB 2400 MT/S	**CONTENT CREATOR**
Mass Storage	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	**IMMERSIVE GAMING**
Networking	GIGABIT ETHERNET (RJ-45) REALTEK RTL8111G WIFI/BT COMBO MODULE SLOT M.2 SOCKET 1 KEY E 2230	
USB	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	**INFOTAINMENT & VENDING**
Video Interface	2 X HDMI 1.4 / 2.0A 2 X DP ALTERNATE MODE ON USB TYPE-C	
Audio Interface	HD AUDIO CODEC REALTEK ALC888 3.5" COMBO CONNECTOR: HEADPHONE + MICROPHONE 3.5" COMBO CONNECTOR: S/PDIF OPTICAL + STEREO PRE-AMPLIFIED STEREO SPEAKER CONNECTORS	
Other Interfaces	FRONT PANEL HEADER, FAN CONTROLLER, RTC BATTERY INCLUDED	**A.I. & MACHINE LEARNING**
I/O	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	**PROFESSIONALS**
OS		**ENTERPRISE**
Power In	DC IN JACK 19V 65W USB TYPE-C POWER DELIVERY	**EDUCATION**
Dimensions	13CM X 13CM X 7CM - 5,12" X 5,12" X 2,75"	