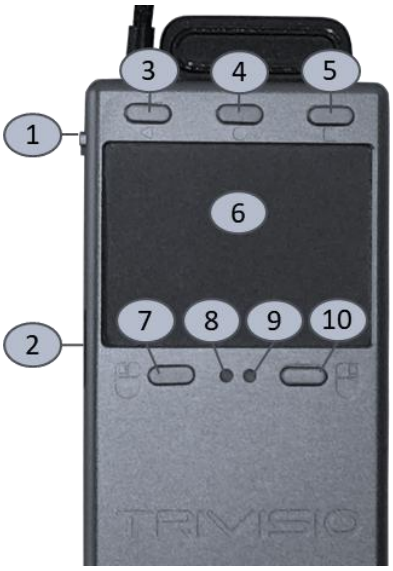
SMD.7

- mobile platform computer -
for
TRIVISIO HMDs

1. Technical Characteristics

The SMD.7 Control Unit is a mobile computer system, optimized for the usage with TRIVISIO head-mounted displays (HMDs). This digital platform contains a single board computer, battery, touchpad and control buttons to become a complete mobile device, running an Android 7.1.1 (Nougat) operating system. The main purpose of the unit is to allow the user to control an attached HMD and provides the interfaces for the HMD peripherals like displays, audio, camera, etc.



- 1. Power switch (up=OFF / down=ON)
- 2. USB Type-C socket for charging and debugging
- 3. Back – Button (Android)
- 4. Home – Button (Android)
- 5. Settings – Button (Android)
- 6. Touchpad for mouse control
- 7. Left Mouse Button
- 8. LED Device ON
- 9. LED Battery Charging
- 10. Right Mouse Button

2. Technical Specifications SMD.7

System-on-Module	Qualcomm® Snapdragon™ 820 APQ8096 SoC
CPU	Quad-core ARM®v8 64-bit CPUs as two dual clusters @2.2GHz and 1.6GHz each
Memory	4GB LPDDR4 @1866MHz
GPU	Adreno 530 GPU support for OpenGL ES3.3, OpenCL 2.0 and Vulcan
DSP	Hexagon™ 680 DSP for ultra-low power audio and computer vision processing
Storage	64GB UFS 2.0 gear 3 Flash memory, expandable by internal storage card.
Network	802.11 ac 2x 2.4GHz/5GHz WiFi & Bluetooth 4.2 LE
USB	1 x USB Type-C for charging battery and debugging
Controls	5 x Buttons, 1 x Switch, Touchpad
Battery	10000 mAh, rechargeable lithium polymer 3.7 V
OS	Android 7.1.1 (Nougat), Kernel version 3.18.31
Weight	410g Alu-Casing with belt clip
Dimensions (W/H/D)	72 mm x 159 mm x 27 mm (without belt clip)

Subject to technical modifications