

# 30 Student Classroom Cart Specifications



## STUDENT DEVICES (Google Pixel 4)

**Operating system**  
Android

**System architecture/processor**  
Qualcomm SM8150 Snapdragon 855 (7 nm)  
**CPU** - Octa-Core (1x2.84 GHz Kryo 485 & 4.1.78 GHz Kryo 485)  
**GPU** - Adreno 640

**Memory (RAM)**  
6GB

**Storage (ROM)**  
64GB

**Dimensions**  
Height: 147.1 mm  
Width: 68.8 mm  
Depth: 8.2 mm

**Weight**  
162g

**Display**  
P-OLED, 90Hz, HDR 5.7 inch screen  
1080 x 2280 pixels, 19:9 ratio (~444 ppi density)  
Corning Gorilla Glass 5

## TEACHER DEVICE (Lenovo Tab 4 Plus 10)

**Product Dimensions** 247 x 171 x 8.3 mm  
**Screen Size** 10.1 inches  
**Screen Resolution** 1920 x 1200 pixels  
Multi-touch Capacitive-type multi-touch, support 10-point touch  
Qualcomm MSM8917 Snapdragon 425 (28 nm) (Wi-Fi/LTE model)

## INCHARGE CASE (C87)

VR cases and Parotec specifications of electrics. Parotec Approvals:  
CE Approved  
ISO 9001 registered (2008)  
Solutions based around our 16 & 36 x Port PCB Intelligence Board have been subject to testing at Cass Industries Limited an compliance testing and CE marking partner for UK & EU requirements.

Parotec PCB Boards:  
PCB Inner board Power consumption:  
5V @ 34A maximum supply (each port is current limited to 2.1A)  
Robust design with up to 35 possible fixing holes on uniform 25mm centres  
IEC/EN 60335 compliant and CE certified  
Input voltage required up to 5.3V

Charge & Sync version of PCB also UL (USA) approved  
\*Charge Only boards currently used for VR kits. IF sending to US we would add Charge & Sync PCB's.

Parotec: Explorer Cases. Used to house all VR Kit.

Where no modification to the physical case is made these are fully waterproof and dust free.

Where we may have added external cooling fans the cases are reduced to weather proof and dust free.

**Battery**  
Li- Po 2800 mAh, non removable

**Rear camera**  
12.2 MP, f/1.7, 27mm (wide), 1/2.55", 1.4µm, dual pixel PDAF, OIS

**Camera Features**  
Dual-LED flash, Pixel Shift, Auto-HDR, panorama

**Video**  
4K & 1080p@30fps

**Front camera**  
8 MP, f/2.0, 22mm (wide), 1.22µm, no AF

**Connectivity**  
Type-C (reversible), USB 3.1

**Bluetooth® technology**  
5.0, A2DP, LE, aptX HD

**Processor Count** 4  
**RAM Size** 2 GB  
**Maximum Memory Supported** 64 GB  
**Storage** 16 GB  
**Hard Disk Technology** SSD

**Wi-Fi**  
Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, DLNA

**Speakers/microphones**  
Stereo Speakers  
Mic

**Sensors**  
Fingerprint (rear-mounted)  
accelerometer  
gyro  
proximity  
compass  
barometer

## DUAL BAND ROUTER (Asus RT-51U)

Powered by 5th generation Wi-Fi (5G Wi-Fi), the 802.11ac chipset gives the RT-AC51U faster wireless speeds than N technology.

At 2.4 GHz, it reaches 300 Mbps, while on the 5GHz band it blazes to 433 Mbps. The upgraded bandwidth has the higher capacity you need to increase Wi-Fi enjoyment.

Twin detachable antennas allow for better alignment and stronger antenna upgrades.

Faster transfer speeds with Gigabit network ports SPI Firewall with IP and MAC address filtering

One touch wireless encryption with WPS button

Connections: 1x RJ45 WAN, 4x RJ45 LAN, x USB  
Dimensions (HxWxD): 36 x 189 x 129mm

## Case Dimensions

**VR Viewer Case Dimensions:** 680mm x 530mm x 400mm  
**VR Viewer Case Weight:** 19KG

**Mobile Device Case Dimensions:** 680mm x 540mm x 400mm  
**Mobile Device Case Weight:** 23KG