

## TPCAST Air for Enterprise Specifications

TPCAST Air for Enterprise is developed by TPCast Technologies Limited Company, which is a wireless, large-space, multiuser interactive VR solution. Based on this solution, users can enjoy PC VR contents on a standalone VR freely and interact with other users in the same space.

Three Core Technologies

TPCAST Codec Technology

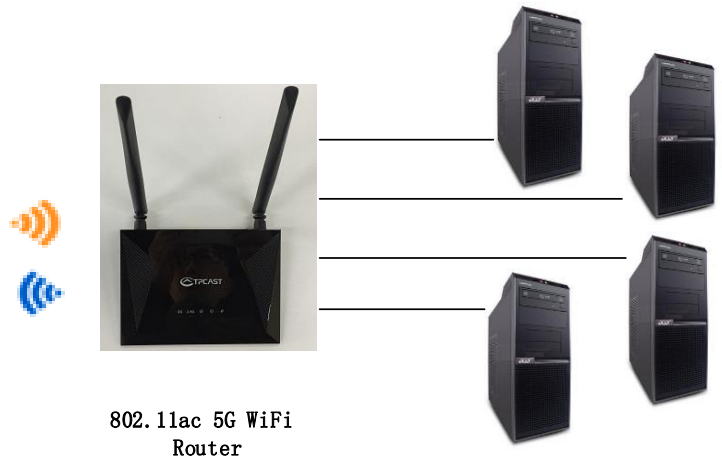
Real-Time Video and Control Data Transmission

VR HMD and Interaction Simulation Technology



Standalone VR Headset

TPCAST Air Client



802.11ac 5G WiFi Router

PCs or Server

TPCAST Air Server & Admin

### Main Features

- Support up to 24 users simultaneously in the same space, wireless & seamless interaction
- Play PC VR content on a standalone VR
- Support large space playground up to 20m\*20m
- Wireless, Lightweight, and Convenient Deployment (deployment time for a single user is less than 3 minutes)
- Long operation time: 9 hours continuous operation with an optional battery
- Centralized administration platform for simplify management

### Application Scenarios

- Require PC rendering, but needs wireless VR to show the content (e.g. content is developed based on UE4 engine)
- Scenarios that needs larger space than the traditional PC VR's 5m\*5m
- Scenarios that requires seamless interaction between as many as 24 users
- Scenarios that needs to get rid of the traditional PC VR's limitations
- Scenarios that needs easy administration for multiple users at the same time
- Target for many industries, e.g. VR Decoration/Education/Exhibition/Training etc.

TPCAST Air for Enterprise	3DOF Edition	6DOF Edition
HMD Supported	Oculus Go/MI VR Go	Oculus Quest
<b>Product Specifications</b>		
HMD Freedom	3 DOF	6 DOF
Controller Freedom	3 DOF	6 DOF
Transmission Bitrate	About 50Mbps	About 50Mbps
Network Requirement	802.11ac with Bandwidth 40MHz	802.11ac with Bandwidth 40MHz
Major components (Single user suite)	Oculus Go or MI VR Go 802.11ac Wireless Router TPCAST Air Software for HMD TPCAST Air Server Software for PC Hardware Key	Oculus Quest 802.11ac Wireless Router TPCAST Air Software for HMD TPCAST Air Server Software for PC Hardware Key
Major components (Multiuser suite)	Oculus Go or MI VR Go * N 802.11ac Wireless Router (multiple) TPCAST Air Software for HMD TPCAST Air Server Software for PC TPCAST Air Administration Software Hardware Key * N	Oculus Quest * N 802.11ac Wireless Router (multiple) TPCAST Air Software for HMD TPCAST Air Server Software for PC TPCAST Air Administration Software Hardware Key * N
<b>Operational Specifications</b>		
Backend	Multiple PCs / Servers	Multiple PCs / Servers
Maximum Users (Same Space)	24 users	24 users
External Tracking Required	N	N
Maximum Space Supported	20m*20m	20m*20m
Admin Management Platform	Y	Y
Single User Suite Supported	Y	Y
Multiuser Suite Supported	Y	Y
Authorization Method	Hardware Key	Hardware Key
Main Application Scenarios	Decoration/Education/Exhibition/Training etc.	LBE or Industry Applications that requires HMD 6DOF & Controller 6DOF (e.g. collaborative design, interactive training)
<b>PC Configuration Requirements</b>		
Minimum Configuration	Processor: Intel Core i5-4590 or AMD FX 8350, equivalent or better Graphics: NVIDIA GeForce GTX 970 or Radeon RX470, equivalent or better Memory: 4 GB RAM or more LAN port: 1000Mbps LAN port Operating System: Windows 10	
Recommended Configuration	Processor: Intel Core i7-7700 or AMD FX 9590, equivalent or better Graphics: NVIDIA GeForce GTX 1080 or Radeon RX580, equivalent or better Memory: 8 GB RAM or more LAN port: 1000Mbps LAN port Operating System: Windows 10	

TPCAST is the leader of wireless virtual reality solutions and the first vendor to launch commercial wireless adapter for HTC Vive and Oculus Rift. Our vision is to free the VR world from cables and enable wireless operation of VR/AR/MR. As the 2<sup>nd</sup> generation product, TPCAST Air for Enterprise is the leading cloud VR solution for large space, multiuser, wireless VR application. TPCAST owns more than 20 patents in VR area, with that, we can transmit VR over 802.11ac/ax/ad/ay and 5G network.

<sup>M</sup> Require TPCAST Air multiuser edition.