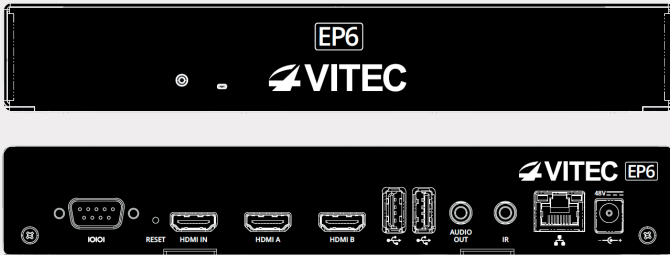


EP6 End-Point

4K UHD IPTV End-Point



4K UHD IPTV end-point which delivers interactive viewing portals and advanced network video decoding. Its fanless design and PoE+ functionality, combined with stunning 4K graphics, make it an excellent choice for demanding signage applications where premium video quality and high impact graphics are important.

Video Output

- Single HDMI output v2.0 (with HDCP 1.4 & 2.3):
 - 2160p (UHD 3840x2160p) (up to 60Hz)
 - 1080p, 720p (up to 60Hz)
 - 576p (up to 50Hz)
 - 480p (up to 60Hz)

Audio Output

- HDMI: 2 channel PCM
- 3.5mm jack: Line Level Analogue Stereo Audio

Video Decoding

- H.265 HEVC, Main and Main 10 profiles
Resolutions up to 2160p60
- MPEG-4 part 10 H.264 (ISO/IEC 14496-10)
Resolutions up to 2160p60
- MPEG-2 (ISO/IEC 13818-2)
Resolutions up to Full HD 1080p60
- 2x 4K or 4x HD

Audio Decoding

- MPEG-1 Layer II (ISO/IEC 11172-3)
- AC3/EAC3
- AAC, AAC-LC/LC+, AAC+

Infra-red/Control Options

- Built-in IR receiver
- 3.5mm jack for IR extender
- RS-232 Serial port
- TV on/off control using HDMI CEC
- Third-party IR remote controls supported

Features & Benefits

- Octa-core CPU, 64-bit RAM, Quad-core GPU, hardware video decoder
- UHD graphics at 60fps
- Play back dynamic Artio digital signage content, combining text, graphics and videos to engage audiences
- Supports up to two 4K or up to four HD IPTV streams
- Enable viewers to enjoy live and recorded TV, movies, information and more
- Quiet, fanless design
- Plug-and-play connectivity with Power over Ethernet (PoE+)
- Stream playback synchronised across multiple end-points

Streaming

- MPEG-2 Transport Stream (ISO/IEC 13818-1)
- Stream playback synchronised across multiple end-points
- UDP, RTP, SRT
- HLS VOD (pause, play, fast-forward, rewind, position)
- HLS live streams
- IP multicast, IP unicast
- IGMPv2
- HTTPS

System

- Linux-based

Integrated Web Browser

- Hardware accelerated HTML5 browser
- Graphics resolution up to 2160p60

Channel Management

- Channel selection and volume/mute control
- SAP/SDP announcements
- Channel redundancy and failover to channel

Content Protection

- MPEG TS with AES 128-bit

Storage Capacity

- 64GB onboard Flash

Accessibility

- Closed Captions (CEA-608 captions embedded in CEA-708 data)
- DVB subtitles (ETSI EN 300 743)
- Teletext subtitles (ETSI EN 300 706)

Security

- Secure hardware platform
- Management using HTTPS connection
- Firmware upgrade using VITEC-signed upgrades only

Network

- Linux IPv4 stack
- DHCP IP addressing
- IEEE 802.3u 10/100/1000 Mbps Ethernet
- IEEE 802.3at PD
- IEEE 802.1x network authentication

Management

- HTTPS web admin interface, Chrome® recommended
- Web interface certificate management
- Installation and Configuration Guide online help and PDF
- Admin menu and console access via SSH and Serial RS232 Admin port
- Event logging via Syslog (local and remote)
- Reset button (reboot or factory reset)

Miscellaneous

- 1x USB 2.0, 1x USB 3.0
- LED dark mode
- Built-in mounting points (wall or back of TV mounting recommended)

Options

- External AC/DC power supply for non-PoE environments
- IR remote controls and extenders

Protocols

IP (RFC791), UDP (RFC768), TCP (RFC793), ARP (RFC826), DNS (RFC1035), DHCP (RFC2131), ICMP (RFC0792), IGMP v3 (RFC 3376), HTTP (RFC2616), Syslog (RFC3164), NTP (RFC1305), HLS, SSDP, SRT

Environment

- Operating temperature:
 - PoE+: 0 to +50°C / +32 to +122°F
 - External AC/DC PSU: 0 to +40°C / +32 to +104°F
- Operating Relative Humidity: 10 – 90% (non-condensing)

Dimensions

- 36mm (H) x 255mm (L) x 136mm (D)

Weight

- 675g

Power

- DC Jack (48V) (up to 25W)
- PoE+ IEEE 802.3at-2009 (48V): 25W max

Regulatory

- CE/UKCA:
 - IEC 62368-1: 2014
 - EN 62368-1:2014+A11:2017
 - EN55032:2015
 - EN 61000-3-2:2019
 - EN 61000-3-3:2013
 - EN55035:2017 / CISPR 35:2016
- UL/CSA:
 - UL62368-1:2014 (Ed.2)
 - CSA C22.2 No. 62368-1, Rev. December 01, 2014 (Ed.2)
- FCC:
 - 47CFR Part 15, Sub Part B
 - ANSI C63-4:2014
- RCM:
 - AS/NZS 62368:2018

MTBF

- Calculated to MIL-HDBK-217F, notice 2: 76,231 hours (8.7 years)

In the Box

- EP6 End-Point
- HDMI cable

Ordering Information (P/N)

- 18899 – Avedia EP6 End-Point
- 19001 – Avedia - Licence - floating EP6 client for Portals - 1 End-Point
- 19019 – Avedia - Licence - floating EP6 client - Universal - 1 End-Point
- 18845 – Avedia - Licence - VITEC Content Protection (AES) - 1 End-Point
- 18901 – EP6 Slimline PSU (US)
- 18902-xx – EP6 PSU with AU/EU/UK plug
- 18322 – IR remote control
- 18321 – IR remote extender