UK
TECHNOLOGY

IPTV SERVER & MANAGEMENT PLATFORM

MC-ASV2000U

High-Capacity IPTV Server for STB and Hospitality Service Management

Professional Product Overview

High-capacity IPTV server designed to manage IPTV services, Android set-top boxes, hospitality welcome screens and large-scale guest-room deployments.

2000 Users
TV management

150 HD / 250 SD
Service management

PMS
Hotel integration

Linux
CentOS platform

High-capacity IPTV management with 10Gb fibre uplink for large hospitality installations

Description & Key Features

DESCRIPTION

The MC-ASV2000U is a high-performance IPTV headend and streaming server developed for large-scale hospitality, commercial and institutional TV deployments. It is designed for business hotels, clubs, hospitals, spas, schools, leisure facilities and similar environments, supporting up to 2,000 terminals with capacity for approximately 100 HD or 200 SD channels.

Built on a highly integrated architecture, the MC-ASV2000U combines powerful processing performance with scalable system capacity. The platform is equipped with 32GB memory as standard and can be expanded up to 128GB, making it suitable for demanding IPTV operations and high-density guest-room environments.

The platform supports multiple 100/1000M network input interfaces in addition to a 10Gb fibre network port for high-speed uplink and enhanced backbone connectivity. It enables seamless conversion between mainstream protocol encapsulation formats and provides efficient multimedia stream distribution across large IPTV networks.

In addition, the MC-ASV2000U provides cloud-based network management and a wide range of interactive service functions, including live TV, video-on-demand, information broadcasting, music services, hotel guest services and PMS integration, delivering a complete hospitality IPTV solution.

01

Remote Software
Supports remote software upgrades and user-experience control for STB terminal devices.

02

Protocol Conversion
Converts protocols among UDP, RTP, RTSP, HTTP, DASH, RTMP, HLS and SRT.

03

Service Selection
Supports live TV, VOD service control and advertising insertion through video, text and image content.

04

User-Friendly Interface
Graphic interface designed for efficient system configuration and service management.

05

10Gb Fibre Uplink
Includes a 10Gb fibre port with standard 100/1000M network interfaces for high-speed IPTV backbone connectivity.

06

Easy Customization
Supports logo customization, theme branding, channel organization and hospitality interface personalization.

Application Note

A central IPTV management unit for large hospitality systems, allowing channel organization, STB control, protocol conversion, VOD management, guest-facing screen customization and PMS integration. Built for high-density hotels and accommodation projects, it provides reliable system control for technical teams and a consistent digital viewing experience for guests.

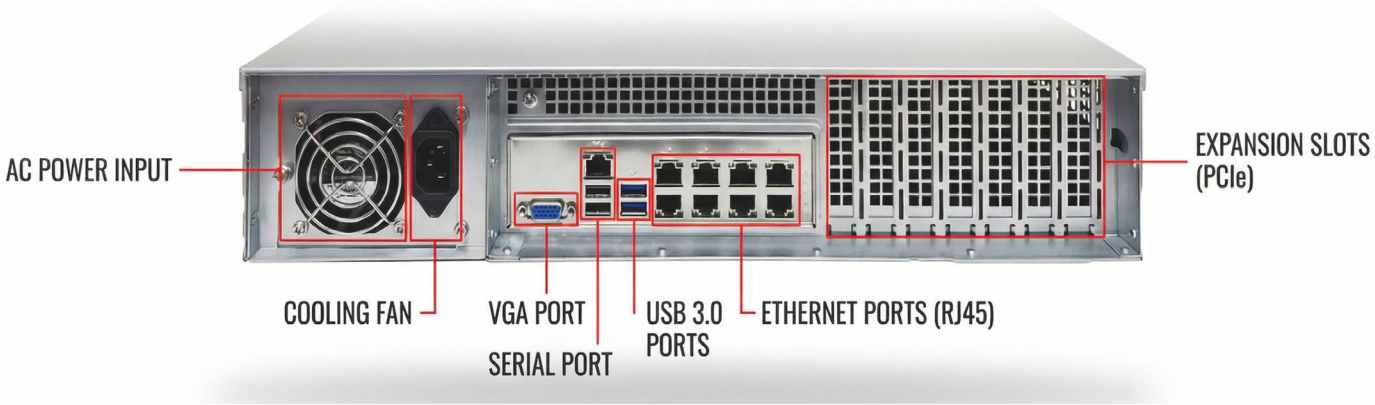
Technical Specifications

IP INPUT & OUTPUT

Input Connector	RJ45 100/1000M Auto-Negotiate + 10Gb Fibre Port
Input Protocols	UDP/RTP/RTSP/HTTP/DASH/RTMP/ HLS/SRT
IP Addressing	Unicast and Multicast
IGMP Support	V2 and V3

GENERAL

Input Voltage	90 - 264VAC
Power Consumption	8500mA
Rack Space	1RU
Dimensions	484 x 478 x 88.6 mm
Net Weight	7.2 kg
Language	English
Watch Dog	USB Type x 1PCS

SYSTEM

CPU	Xeon Series
SSD	128G
RAM	64G DDR4; 128G optional
OS	Linux Platform