

# Unified Management Platform

Transform your operations with  
TR-069 ACS & TR-369 controller in one



## Introduction

Device management is a crucial part of telecom operations. As more customers join the network, the number of devices that require management increases, leading to higher workloads and operational costs for customer care departments and network operations centers. In addition to increased costs, ineffective device management can result in a poor customer experience, which can harm the company's reputation.



## Unified Management Platform

AVSystem's Unified Management Platform (UMP) is an all-in-one solution that combines a TR-069 auto-configuration server (ACS) and a TR-369 controller. It enables telecommunication companies to automate CPE management from end to end, resulting in the effective resolution of customer problems.

With UMP, you can manage devices from all vendors, across all technologies (such as FTTx, FWA, etc.) and protocols (TR-069, TR-369, and others) using

a single comprehensive platform equipped with an easy-to-use interface. The system can be deployed on-premises or on a cloud (SaaS) to cater to every customer's needs and requirements.

The platform can be integrated with external systems to maximize operational efficiency. Furthermore, all necessary customizations are provided, along with comprehensive training and continuous support for your teams.

### On-premises ACS

**A platform to fulfill the most diverse needs of:**

- ✔ Data governance
- ✔ Security
- ✔ Deployment strategy
- ✔ Business process integration & network automation

#### Infrastructure

- ✔ Solution delivered on customized network & hardware architecture, designed per customer requirements (including: bare metal, VMs, private or public cloud)

### Cloud ACS

**Flexible SaaS to accelerate your growth:**

- ✔ Ready to use from day 1
- ✔ Pay as you grow, start with a single CPE
- ✔ No need for any hardware investment
- ✔ Free regular system upgrades, with the latest roadmap features

#### Infrastructure

- ✔ Public cloud hosted in Google Cloud Platform
- ✔ Site-to-site VPN

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## Use cases

On top of a market-leading ACS/USP Controller, we offer a set of advanced features designed to cover comprehensive use cases:



**Network Quality Management**  
Improve your NOC fault management with network Topology Map and NetFlow protocol.



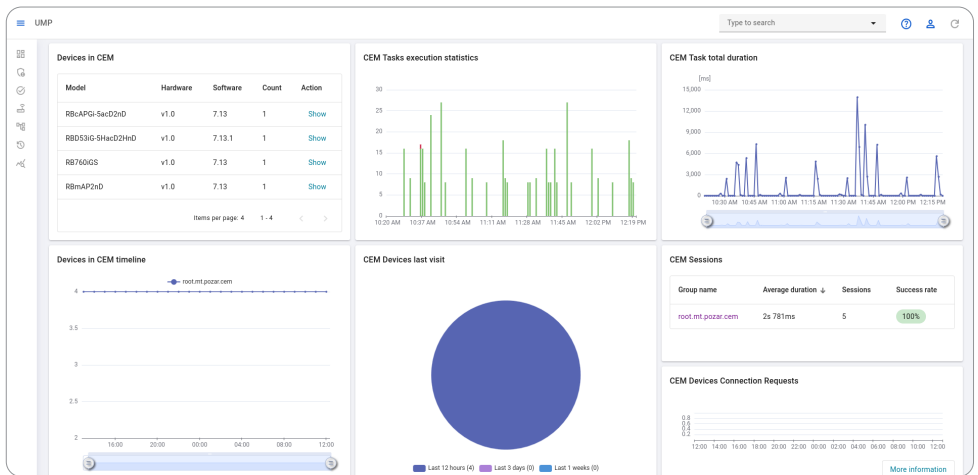
**Business Router Management**  
Deliver high SLA for your enterprise clients with a GUI for Cisco, Mikrotik, and Juniper routers.



**Fixed Wireless Access**  
Track wireless signal performance to achieve the highest LTE/5G service quality.



**DOCSIS Provisioning**  
Ensure uniform management of all devices in your HFC infrastructure.



## Differentiators:

- ✔ **Multi-protocol device management engine**  
Embrace multiple protocols such as TR-069, TR-369, TR-143, and TR-471, as well as extensions like SNMP, CLI (SSH/Telnet /TL1), and Netconf.
- ✔ **Robust group management**  
Facilitate mass configuration rollout, firmware upgrade campaigns, and high-level operational monitoring.
- ✔ **Flexible integration**  
Optimize operations through third-party integration via REST and SOAP APIs, Identity & Access Management, and runtime application scripting.
- ✔ **Built-in fleet monitoring**  
Track historical device performance and discover aggregated population insights.
- ✔ **Carrier-grade capacity**  
Perfect support for 10 million+ CPEs thanks to multi-node, highly available, horizontally scalable architecture.
- ✔ **Subscribers' WiFi experience**  
Get realistic insight into subscribers' experience with meaningful KPIs and high-frequency polling.

## Features

- ✔ Efficient customer problem-solving thanks to intuitive dashboards and automated diagnostic tools designed for customer care, network operations centers, and field engineers.
- ✔ Superior quality of experience ensured with access to technology-specific monitoring that provides business-driven metrics, alerts, and reports for both single devices and groups.
- ✔ Device auto-discovery, automated zero-touch provisioning, and bulk firmware upgrades for all access technologies (FTTx, Fixed-Wireless/LTE, HFC/DOCSIS, xDSL) using any protocol (TR-069, SNMP, CLI SSH/ Telnet, OMA-DM, USP).
- ✔ Highest security standards, regularly passed security audits, TLS on all system entry points, data redundancy, and tested upgrades.
- ✔ Full technical support, including device integration and platform customization services, on-site training, 24/7 SLA-guaranteed premium support, and any CRM/NMS/OSS/BSS integrations.

## Benefits



### Rely on our experience

With almost 20 years of experience and 200+ deployments for telcos worldwide, you are in expert hands. We deliver a platform customized to your operational needs and provide comprehensive training and support for your staff.



### Reduce your operational costs

Our platform reduces the number of support calls by 30%, automates processes and facilitates technical staff onboarding, guaranteeing an exceptional return on investment.



### Drive your strategies

Use the freed resources to develop better business strategies. Explore business-driven metrics like SLA fulfillment or customer in-house WiFi experience that translate device data into insights you can use to upsell your services.



### Grow your business with us

We deliver premium solutions designed for specific business cases, based on our wide experience. Whether you're looking into 5G or USP, we're on top of the market, ready to help with your next endeavor.

# Expand your portfolio with a top-class ACS. Become our partner!

## Available partner tracks:

### ✔ CPE Vendor

- Showcase devices in a WYSIWYG manner
- Perform device integration and test the platform
- Facilitate device management for your customers
- Maximize device performance

### ✔ Software integrator

- Broaden your offer with our entire portfolio
- Get a trusted, industry-proven partner
- Get new leads, provided by AVSystem
- Offer your customers vendor-agnostic solutions for all access technologies

### ✔ CPE Reseller

- Broaden your portfolio
- Provide end-to-end solutions for your customers
- Get a presentation platform for your CPEs' capabilities
- Gain a monthly revenue stream & constant contact with your customers

### ✔ Fiber Network Wholesaler

- ISP enablement platform – a complete portfolio of products to attract ISPs to become your partner
- Flexible cooperation models
- Interoperability testing of CPEs, to provide ISPs with curated hardware offer



## AVSystem

**Broadband services management and assurance on truly open standards.**

AVSystem was founded in 2006 with a focus on providing automation solutions for connected device ecosystems. Although the company started by serving the telecommunications industry, it has since expanded its services to various sectors in over 60 countries. Catering local internet service providers as well as multinational telco operators and enterprises, we develop top-notch solutions dedicated to telecommunications, WiFi VAS, and the rapidly growing Internet of Things. Our goal is to create flexible and dynamic technology based on open standards accessible to everyone. We not only follow the newest trends but also co-create them with other IT industry pioneers by actively participating in organizations such as the Broadband Forum.

**Get in touch!**

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