



# CPE Systems Integration Services

Services to add or augment functionality  
to your User Experience.

COMMScope®

# SERVICES OVERVIEW

Consumer expectations today are ever expanding. More photos! More videos! New apps! Higher quality! Easier to use! Fresh look and feel! Instant access! Rapid updates! Secure!

And, they have choices. If one provider doesn't deliver, another will.

The challenge for service providers is to keep up with these demands without breaking the bank. Wholesale replacements or upgrades of technology are sometimes not the answer. But, it's those subscribers using older devices for network access who are most vulnerable.

CommScope CPE Systems Integration (CPE SI) solutions extend the life of CPE assets and preserve the capital invested in them. By offering the advanced capabilities demanded by subscribers, without replacing equipment, customer retention is achieved.

Service providers meeting the expectations of today's subscribers need to be prepared to upgrade the user experience and service offerings without investing in a complete upgrade of their network. This may involve, but is not limited to:

- A partially or completely new User Interface
- Transitioning from traditional QAM based video to hybrid or full IPTV architecture
- Deploying a new browser based application (e.g. Pandora, Netflix, YouTube)
- Integrating new Set Top Box middleware to provide for more feature content or address IPR or licensing requirements
- Replace an existing MediaRoom user experience
- Enhancing security and certification procedures
- Expanding app availability to subscribers
- Expanding the app store framework
- Transitioning to RDK based platforms
- CAS and/or DRM refresh
- Client based integration and support of new VOD architectures
- Transitioning from a native UI architecture to a HTML5, cloud based, UI

## FEATURES

- Meet ever evolving user experience demands.
- Retain customers in the face of competition.
- Preserve capital investment in CPE.
- Advanced capabilities without replacing CPE.
- Extensive resources, skill sets, partner relationships.
- Turnkey delivery, staff augmentation or managed services.

## CommScope Solution

CommScope CPE SI services are available to support any installed base of CPE (Set Top Boxes, Gateways, Cable Modems etc.) and any existing middleware or application layer. Services include:

| Service Element      | Description  |
|----------------------|--|
| Consulting           | Architecture definition, network migration, emerging technologies, operational and deployment processes, CPE testing methodologies |
| CPE Integration      | CPE Operations, maintenance and provisioning   |
| Custom Software      | New applications, middleware porting and capabilities, new feature introduction, UI development and migration                      |
| Solution Integration | Recommendations, analytics, nDVR , MABR, VOD storefront, RDK integration, IPTV transition  |
| Test & Validation    | Client network interface validation, solution validation   |
| Managed Services     | CommScope's team integrated with the service providers' to deliver CPE SI projects.  |
| Staff Augmentation   | Our experts at the operators disposal for CPE device development, testing, integration and deployment.                             |

## Why CommScope

As the provider of tens of millions of CPE devices to broadband service providers, worldwide, CommScope is uniquely positioned to enhance the user experience across those devices. And that skillset transfers to devices from other vendors, as well not just CommScope. Our labs have tested over 1,000 unique CPE devices or CPE/firmware combinations. The CPE SI team consists of people with decades of experience in CPE product R&D and deployment and with deep knowledge of the ecosystems, frameworks and test libraries necessary to enhance and test the integration of CPE devices. We are leaders in cloud TV solutions, like nDVR , with multi vendor solutions deployed in North American, Latin America and Europe.

Having worked with a rich assortment of established, worldwide partners and systems, we can call on the right products, software and expertise to help us get the job done. A partial list of these varied systems is shown here.

## Ecosystems, Frameworks, Test Libraries

- CommScope Cloud Platform
- EngineWare
- NET
- SecureMedia
- ActiveVideo Ecosystem
- ThinClient
- RDK-B
- Playready
- Minerva Ecosystem
- KA
- RDK-V
- Verimatrix
- FIOS Ecosystem
- KreaTV
- HFC Access Ecosystem
- Nagra
- Worldbox Ecosystem
- Espial
- Wireless Access Ecosystem
- Widevine
- Mediaroom Ecosystem

## MINI CASE STUDIES

### Back Office Integration to Existing CPE

As part of CommScope Professional Services, the CPE SI team was engaged to support integration of Minerva's back office solution with the CommScope DCX4420 STB. This required the successful port of CommScope's KA Middleware to the DCX4420 and validation of the API interface to the Minerva solution. This was successfully delivered to Minerva and is in full deployment by the customer.

### Middleware Ongoing Support

CommScope Professional Services CPE SI was engaged by a large MSO for the continued support and enhancement of Thin Client and EngineWare middleware. This ongoing relationship has resulted in the delivery of numerous enhancements to the operator's installed base. This allows the operator to continually update the user experience without replacing existing Set Top Box hardware, thereby avoiding considerable capital expense.

## Customer Care

Contact Customer Care for product information and sales:

United States: 866 36 COMMSCOPE | International: +1 678 473 5656

## Reference for more Information

<https://www.commscope.com/professional-services/broadband-and-video-device-deployment/>

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at [commscope.com](http://commscope.com)

**COMMSCOPE®**

---

[commscope.com](http://commscope.com)

Visit our website or contact your local CommScope representative for more information.

© 2018 CommScope, Inc. All rights reserved.

Unless otherwise noted, all trademarks identified by ® or ™ are registered trademarks, respectively, of CommScope, Inc. This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to CommScope products or services. CommScope is committed to the highest standards of business integrity and environmental sustainability with a number of CommScope's facilities across the globe certified in accordance with international standards, including ISO 9001, TL 9000, and ISO 14001. Further information regarding CommScope's commitment can be found at [www.commscope.com/About-Us/Corporate-Responsibility-and-Sustainability](http://www.commscope.com/About-Us/Corporate-Responsibility-and-Sustainability).

PA-113881-EN (00/18)