

CDN

Content Delivery Network solution to cache content closer to end users

NEEDS AND CHALLENGES

- ▶ **Accessibility:** Customer could not risk downtime and needed data accessible and applications running 24/7
- ▶ **User satisfaction:** Long loading times and latency affected engagement rate creating low satisfaction from end users
- ▶ **Cost management:** Costs were hard to manage for service providers due to factors such as amounts of data transferred, number of requests to backhaul and users' geographical locations
- ▶ **Processing and network bandwidth issues:** Overly congested network lacked stability and scalability was costly, and caused delays and downtime
- ▶ **Environmental constraints:** Strong requirement for hardware that runs at the network edge where environment causes challenges such as temperature variances and space restrictions
- ▶ **Server that lasts:** Customer required a server they could rely on past the suggested 3 – 5 year mark

BENEFITS OF KONTRON ME1310

- ▶ **Storage capacity:** Ideal solution for 60TB+ of storage for simultaneous content streaming while delivering performance and reliability
- ▶ **Scalability:** Flexible integrated design allows operators to accommodate variable end user demands with less equipment
- ▶ **User satisfaction:** Faster loading times, enhanced web performance, and low latency improved user satisfaction by providing seamless streaming experiences
- ▶ **Local data caching:** Servers require less space, less equipment, less cabling, less complexity which translates to reduced OPEX and TCO
- ▶ **Cost reduction:** ME1310 addressed cost management issues by reducing the number of times the customer connects to the backhaul to retrieve web content
- ▶ **Unique rugged server design:** Ruggedized form factors function reliably in extreme environments - support for wide temperature range (-40°C to 65°C) - installed in restricted spaces and pole/wall mounted (IP65 version available)
- ▶ **Low-latency solution:** Integrated processing, switching and precision timing ensures low-latency connections
- ▶ **Long life server:** 7 – 10 year lifespan enabled zero provisioning and increased ROI for customer

TARGETED DEPLOYMENTS


Media (ISPs/OTT/Service Providers)

A group of distributed servers brings intelligent caching to the extreme edge locally to deliver better on-demand video and live streaming experiences across various devices and platforms.

Avionics/Transportation

Cabinet and/or outdoor IP65 server at airport terminal or train station acts as CDN to enable content updates when plane or train parks at gate.



 Learn more:
[RS1310 High performance IP65 rugged outdoor version](#)

 Learn more:
[ME1310 High Performance Multi-Edge Platform](#)

For more information about our ME1310 platform or to speak to a member of our sales team, contact us directly at: telecomedia@kontron.com

