



3 REASONS YOU NEED EDGE CACHING FOR MEDIA DELIVERY IN 2020

With the emerging 5G ecosystem, we are in the middle of a data revolution that has operators scrambling to overcome the challenges that come with having a centralized cloud computing environment. Edge computing creates a distributed network architecture as a means to offload tasks from the core and promises to remedy these challenges.

TRAFFIC

1 REDUCE CONGESTION IN THE CORE NETWORK



Using a caching server to store content at the edge of a network takes a big load off the core and ensures the seamless delivery of broadcast-quality video. It eases overall network congestion caused by millions of devices being used around the world.

In tackling high bandwidth demands at peak periods, operators increase customer experience and loyalty.



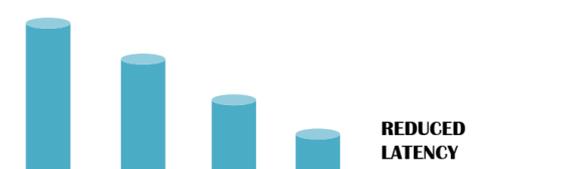
LATENCY

2 ENABLE REAL-TIME APPLICATIONS WITH MINIMAL LATENCY



Having multiple Points of Presence (PoPs) gives operators the ability to deliver media content to end users with a much lower latency. Placing edge servers at various points in the network helps reduce the physical distance between the original data source and its destination.

Instantly fight the latency problem and speed up network performance.



MONEY

3 SIGNIFICANT COST SAVINGS



Data center costs tend to add up quickly, especially when bulks of data are being transferred to and from the Cloud. Having a distributed offloading solution that performs part of the data processing at edge locations automatically lowers capital expenditures and bandwidth costs.

CapEx and bandwidth costs are automatically reduced.



Kontron provides the compute infrastructure that resides near the source of the data. In other words, hardware that allows analytics and data gathering to occur near mobile phones, tablets, laptops, etc.

This movement toward virtualized infrastructure is in full force and operators are noticing numerous benefits it brings.



KONTRON ENABLES EDGE SERVICES AND ESSENTIALLY MORE COMPUTE POWER IN A SMALLER FOOTPRINT

ME1100 EDGE SERIES



- Short-depth platform that can withstand extreme temperatures
- High performance servers for Mobile Edge Computing (MEC)
- Cloud computing capabilities within the Radio Access Network (RAN)
- Ideal for ultra-low latency and high-bandwidth applications
- Storage and extensions slot for artificial intelligence or data caching

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