

RAN FAR EDGE SOLUTIONS

to Meet Today's Ever-evolving Demands



CHALLENGE

- ▶ Finding a partner to support remote RAN cell site and multi-edge computing deployments often requiring wide temperature range support of which may also be exposed to the outdoor elements.
- ▶ Providing hardware deployments in these remote locations can be operationally challenging in terms of serviceability, monitoring and upgrades as new features and applications become available.
- ▶ Enabling mainstream servers which do not typically provide the features, size, temperature range, passive cooling and integration required to support, many these deployments to thrive in these rugged environments.

SOLUTION

- ▶ Kontron's 3rd generation multi-edge ME/RS1310 server, based on Intel's Ice Lake D CPU provides a 3 in 1 integration of processing, timing/synchronization and high 10GE/25GE port count switching/routing for back/mid haul and front hall connections in a single enclosure.
- ▶ Kontron's platform is based on a modular approach which allows unique I/O combinations and/or feature additions without changes to the core architecture or enclosure. The platform is remotely accessible for system monitoring as well as remote upgrades.
- ▶ Kontron's ME/RS-1310 supports -40C to 65C, AC/DC power and is implemented as a common functional architecture in both fan-cooled/rack mount and IP67/passively cooled enclosures.

BENEFITS

- ▶ Kontron's unique level of integration, modularity and thermal support allows the ME/RS-1310 to be replace 3 building blocks (processing, timing/synch and switching/routing) with a single platform.
- ▶ Implementing Kontron's common design in both fan-cooled/rack mount and IP67/passively cooled enclosures enables a single SW image and development effort to be applied to different operating environments

- ▶ Learn more:
[RS1310 High Performance Outdoor IP65 Multi-Edge Server | Kontron](#)
[ME1310 High Performance Multi-Edge Platform | Kontron](#)