Portable Network
Deploy anywhere. No area is out of reach.

NEEDS AND CHALLENGES

- **Complexity**: Setting up a fixed network was a complex process requiring highly specialized, knowledgeable resources on-site.
- **Time-to-deploy**: Needed a temporary, portable, rapidly deployable solution in days rather than weeks, to enable services and coverage in specific areas.
- **Environmental needs**: Rugged hardware designed to sustain harsh temperatures, spaces and environmental conditions of vehicles or mobile stations was a necessity.
- **Power availability**: Needed low-power equipment to maximize the autonomy of their sites’ operations.
- **Flexibility**: They wanted a standard server that could be tweaked to adapt to different use cases.
- **Latency**: Connected communications and low-latency coverage was a high priority.
- **Security concerns**: Customer needed secure network connections for mission-critical applications and ultra-sensitive data handling protected from external threats.
- **Server that lasts**: Customer required a server they could rely on past the typical 3 – 5 year mark.

BENEFITS OF KONTRON ME1310

- **Simplified integrated solution**: An optimized secure solution with integrated switch and other functions that is built for portability.
- **Rapid deployment**: Customer can now use edge servers that simplify complex deployments and enable services and coverage in days, not weeks.
- **Environmental**: Rugged servers with short depth and support for wide temperature range (-40°C to 65°C) were deployed in space-restricted, mobile vehicles and remote locations.
- **Low-power solution**: They were able to increase the autonomy of their operations with limited power sources.
- **Intelligent flexibility**: Edge servers are designed to be used as intelligent building blocks and customer now has ample support from Kontron integration partners.
- **Low-latency**: Integrated switch module with high precision timing ensures low-latency coverage.
- **Highly secure solution**: Edge servers now enable data processing locally (not over the internet) adding a layer of security against data breaches.
- **Long lifecycle**: Extended hardware lifespan of up to 10 years reduced unnecessary upgrades saving money in the long term.
TARGETED DEPLOYMENTS

Defense
Facilitate communications with a portable network for temporary base camps, military joint ventures, network expansion, and disaster recovery scenarios.

Telecom
Keep guests connected for special indoor/outdoor events, or use this simple, portable solution for disaster response crews and personnel.

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