High-Density Solution

Enhancing Connecitvity in Crowded Indoor Venues

🚀 CHALLENGE

❯ **Bandwidth limitation:** Insufficient network bandwidth to support mobile devices moving in a condensed area

❯ **Environmental needs:** Rugged hardware built for harsh temperatures, spaces and environments

❯ **Latency:** Connected communications and low-latency coverage was a high priority

❯ **Complexity:** Setting up a fixed network was a complex process requiring highly specialized, knowledgeable resources on-site

❯ **High cost:** A major barrier for the customer was the significant investment towards operations, infrastructure, and routine maintenance

❯ **Server that lasts:** Customer required a long lifecycle server they could rely on

💡 SOLUTION

❯ **Congestion reduction:** Installing multiple ME1310's and RS1310's around the venue increasing density, easing network congestion from high mobile device usage

❯ **Unique server design:** Ruggedized form factors built for extreme environments, outdoor deployments, restricted spaces, and remote locations

❯ **Low-latency:** Integrated switch module with high precision timing ensures low-latency coverage

❯ **Simplified integrated solution:** Optimized secure solution with integrated switch and other functions addressing latency, enhancing internet speed, and ensuring secure, stable connections for seamless data transfer

❯ **OPEX and TCO reduction:** Customer now uses less equipment for AC/heat, cabling, and power, allowing more space with an all-in-one integrated solution

❯ **Long lifecycle:** Extended hardware lifespan of up to 10 years reduced unnecessary upgrades saving money in the long term

🎯 DEPLOYMENTS

❯ **Sports venues:** Facilitate efficient deployment of solutions to boost network capabilities and keep guests connected for large crowd events.

❯ **Convention Centers/Exhibition Halls:** Enhance networking capabilities, catering to custom hardware needs for various applications. Durable design ensures reliability, making it a stable solution for diverse requirements.

intel
partner Titanium
IoT
Solutions

kontron