

Charles Micro-Edge Data Center Enclosures CMEE Series

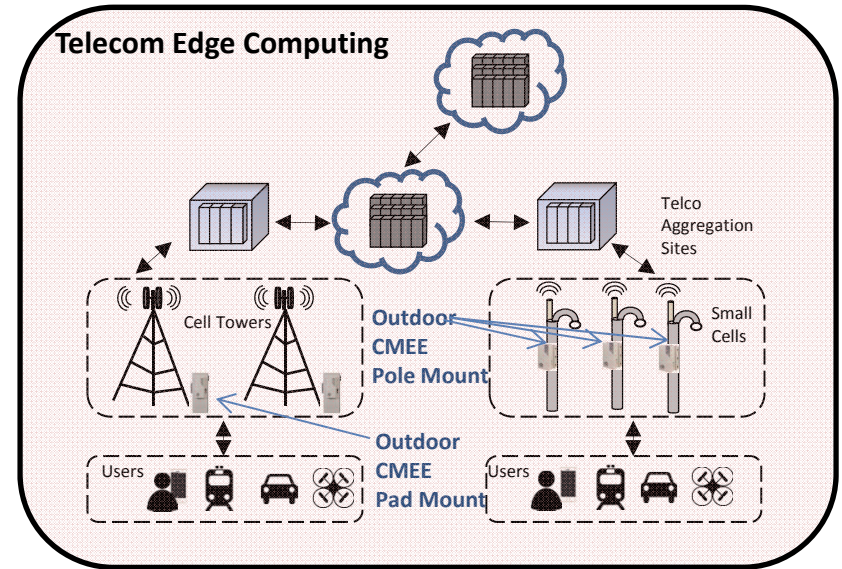
Edge Data Centers

A whole host of new data-intensive and latency-sensitive applications are pushing data compute resources to the edge of the network. Emerging applications such as autonomous vehicles, augmented reality, and IoT aggregation require real-time processing for optimized decision making and functioning of the application. This will foster a myriad of small scale compute nodes or micro data centers located very close to the data being generated.

These micro data centers can be located anywhere such as a cell site or a Smart City pole. Locating outdoors presents a very harsh environment and many challenges for reliable IT installations. With more than 50 years protecting outside plant equipment, Charles Industries is well positioned to provide enclosed solutions to meet these challenges. Charles enclosures guard equipment against environmental impairments such as heat, cold, rain, wind, and vibration.

Charles Micro-Edge Enclosures

Charles Micro-Edge Data Center enclosures provide a reliable and protected environment to locate an edge data center practically anywhere. These enclosures are self-contained, secure units that can come integrated with power and cooling, as well as space to add IT equipment. Use space-saving Charles Edge Enclosures to set up a Micro Data Center anywhere, anytime — no building structure required.



Charles Micro-Edge Data Center Enclosures CMEE Series

Features and Benefits

GR-487 and NEMA 4X ratings: Assures equipment protection in all outdoor environments and conditions including wind, rain, fire, and seismic events

Advanced thermal design: Solar shields and advanced venting, along with heat exchangers or air conditioners, protect equipment against the environment

Monitoring solutions: Charles monitoring solution provides status and alarms of temperature, humidity, pressure, and door intrusion

Quick and easy deployment: Shipped to site all together, ready to deploy and easily installed onto a Charles Composite Pad (CPAD) or standard concrete pad

Customized options available: Charles can provide specific configurations and footprints that more exactly meet customer needs

Equipment integration: Equipment integration can be done by Charles or third parties and shipped to site intact

Pad Mount Enclosures

- GR-487, NEMA 4
- 0.125 inch Al welded construction
- 24-44 RU
- -40°C to +46°C Cooling:
- Up to 7 kW cooling
- AC and DC power options
- 3 point latching with pad-lockable door
- Optional T/H, pressure, door intrusion remote monitoring



Pole Mount Enclosures

- GR-487, NEMA 4
- 0.125 inch Al welded construction
- 2-4 RU
- -40°C to +46°C
- Up to 2 kW cooling
- AC and DC power options
- 3 point latching with pad-lockable door
- Optional T/H, pressure, door intrusion remote monitoring



Customer specific and application specific layouts are available. Also can integrate customer equipment or IT gear from a Charles partner.

For more information, please call (847) 806-6300 or visit www.charlesindustries.com

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INNOVATIVE ENCLOSED SOLUTIONS

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