

## Custom-Built NEMA Enclosures



### Multi-Location IoT Deployments Into Fixed and Mobile Assets

Ideal for distribution automation projects, solar farm communication, remote site surveillance connectivity, and a broad array of remote fixed asset monitoring applications, our outdoor enclosures for cellular 4G, 5G, and CBRS gateways, routers, and wireless modems are built to safeguard wireless backhaul equipment from severe weather, operate with or without local power sources, and maximize cellular coverage and speeds.

### Ruggedized Enclosures | Built to Withstand Harsh Environments

Purpose built for harsh and unpredictable environments, our clients can utilize our polycarbonate enclosures within both out and indoor settings. Our rugged options include things like NEMA 4/4X ratings, C1D2, IECEx, and ATEX environmental certifications, and can carry ingress protection ratings from IP66 up to IP6X. Each enclosure is custom selected to meet your organizations size and durability needs.

### Exhaustive Router Options | Top-of-the-Line Communications Devices

Through our partnerships with top US-based cellular and LoRaWAN device manufacturers, we can build enclosures that utilize a myriad of gateways from Cradlepoint, Sierra Wireless, Digi International, and Multi-Tech Systems for use on the carrier network or networks of your choosing. Whether you need single or multi-carrier capabilities, private LTE, or low-power wide-area (LPWA) functionality, we can equip your enclosures to meet your exacting needs.

### Custom Antenna Assemblies | Box, Pole, or Wall Mounted

We construct custom antennas and jumper cable assemblies that consider your specific NEMA application, including factors such as nearness to local cell towers and equipment interference. Whether you need cellular, Wi-Fi, or GPS capabilities, or a combination of each, we custom select the perfect antenna pairing and create cabling to match. Where applicable, your antennas can be mounted directly to the enclosure, or wall or pole mounted in a location with the greatest reception.

### SCADA Applications | Sensors, PLCs, RTUs, and More

While our standard enclosures typically feature a ruggedized gateway, outdoor antenna, back-up battery, we can also include items such as solar photovoltaic arrays for off-grid power, programmable logic controllers (PLCs), remote terminal units (RTUs such as the ACE3600), LoRaWAN sensors, relays, and other devices to meet your SCADA-based needs.



### The Team | Device Provisioning, Activation, and Installation Services

For the last 27 years, the cellular networking solutions team at MCA has provided expert connectivity solutions to public and private organizations in need of top-of-the-line connectivity devices and platforms to manage their vital communications infrastructure. We provide top-tier support for all aspects of our customers mission and business-critical connectivity projects. Our technicians and installation teams assess your needs and engineer customized solutions to outfit your organization with the hardware and software required to fit your exacting needs.

**CONTACT US TO MAKE YOUR WORKPLACE MORE SAFE, SECURE, & EFFICIENT**



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