



White Paper

DMP External Antenna is ATM Cell Signal Solution

Antenna Delivers Exceptional Reception and is Built Tough for External Applications

If you're installing a cellular communicator with a DMP system inside any type of enclosure other than the panel's enclosure, it's well worth it to consider an external antenna. Particularly with metal enclosures such as ATMs, radio frequency signals can be sporadic, resulting in weak cell reception. That's when DMP's 388-2 2dBi Attack Enclosure Antenna is the perfect match.

The proven solution

In a recent case of a customer's LTE-V modem installation inside an ATM, the cell signal had been performing poorly. Upon hearing from the customer, DMP tested all of our exterior units to identify the best performance for our customer's particular application. The unit was installed at the site and is performing exceptionally well.

To install the 388-2 exterior antenna, you'll need to drill a hole that is 7/16 (11 mm) in diameter at the installation point. A 3-foot SMA extension cable comes standard with the unit. Depending on where the cellular module is located inside the enclosure, you may need a longer cable, and DMP offers others with up to 25 feet.

Next, attach the cable to the antenna, feed the cable through the hole, and connect it to the cell module using the SMA connectors. Best practices recommend installing the communicators vertically for the best possible signal reception.

Lastly, close off the hole with the weather-resistant rubber seal that's provided. This protects the enclosure's interior from the outside elements.

Not only is the 388-2 the best performing exterior antenna for added cell reception, but it's also the most attack and weather resistant. The 388-2 comes with a standard SMA connector for use in conjunction with a Model 350A Attack Enclosure or any 350 enclosure.

For cellular installations inside enclosures, the 388-2 is a proven solution

To fit in applications like this, we are honored to offer products that fit specific needs — that's why, for instance, we offer an extensive list of solutions for banks, inside and out. At the ATM, DMP's 388-2 2dBi Attack Enclosure Antenna is the proven solution to ensure exceptional cell reception and its durable design is ideal for exterior installations.

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