Ex-Cover Pro D2— Improving Coverage and Security through Band 48 and Private LTE Networks

Ex-Cover Pro D2

ecom
A PEPPERL+FUCHS BRAND

LTE

At a Glance

- Built in partnership with Samsung using their X-Cover Pro
- Designed for hazardous work environments
- Enhanced Touch feature for use with gloves or in wet conditions
- Compatible with AT&T and Verizon
- Gorilla® Glass 5, FHD+ display

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The Application

As companies move towards IIoT, making sure all connected devices can stay in communication with each other is vital. Public LTE® networks and traditional Wi-Fi both have limitations. Wi-Fi has limited range, requiring more access points to be installed when trying to cover a large areas. Public LTE networks can leak vital corporate data from behind corporate firewalls, and corporations have no control over network configurations on public networks. Additionally, network congestion and interference can be an issue with both Wi-Fi and public LTE.

The rugged Ex-Cover Pro D2 smartphone supports Band 48 spectrum for use on Private LTE networks (also known as Citizen Band Radio Service or CBRS). One important advantage of Private LTE networks is that they offer greater coverage compared to traditional Wi-Fi, making them a good fit for large facilities and deployment outdoors.

The Goal

Private LTE provides enhanced network security over traditional Wi-Fi, therefore company data always remains behind corporate firewalls. It adds another layer of security by requiring an authorized SIM card to be installed for any device to connect to the network. Private LTE provides increased control over network configurations in comparison to publicly accessible commercial networks. This allows enterprises to control available bandwidth and determine what types of data have priority to guarantee that systems requiring tight synchronization always experience the lowest possible latency.

Any device that wants to connect to a private LTE network must support the correct frequency band, in the US this is Band 48, and must have a SIM card installed that is authorized on that network.

The Solution

The Ex-Cover Pro D2 is a Class I, Division 2 certified device that is a perfect fit for the tough environments found in Oil and Gas, Chemical, Pharmaceutical, and any other industries with potentially explosives atmospheres that may also benefit from deploying Private LTE. The Ex-Cover Pro D2 supports B48 and can be connected to private LTE networks, providing increased coverage and control over network configurations, as well as integration with IIoT applications.

The Benefits

Private LTE networks guarantee a seamless transition when moving between different areas, and the extended range of LTE means fewer access points are required. And since Band 48 spectrum is unlicensed, corporations can also deploy Private LTE networks at a lower cost than other options.

Technical Features

- Class I, Div. 2 certified and tested to MIL-STD-810G standards
- Integrated physical push-to-talk and programmable keys
- Replaceable long-lasting/ fast-charging battery
- Supports Band 48 spectrum
- Connection to private LTE networks possible
- Viable integration with IIoT applications

For more information, visit: **www.pepperl-fuchs.com/ecom**