



P-LTE 450 Support

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Support for P-LTE-450

The P-LTE-450 is a 450MHz Category-4 LTE PIM, which addresses LTE use cases primarily targeting utility, public safety, and critical infrastructure maintained by public organizations in Europe and other world regions. The module supports only Band 31 and 72 for LTE 450MHz networks.



Note Throughout the user documentation, you will see the module referred to as P-LTE-450, which is the Cisco product name. The module is designed and manufactured by Intelliport, which refers to it as the IPS-701. Both names will be present in documentation.

Unlike regular LTE modules, there are some differences with regards to the P-LTE-450MHz on IOS-XE platform. Some of the key differences are:

- IP pass through will be on Gigabit Ethernet interfaces rather than cellular interface
- Troubleshooting commands are from web interface of third-party hardware

See the [Cellular Pluggable Interface Module Configuration Guide](#) for complete details.

For additional information, see the [LTE 450MHz Alliance](#).

P-LTE-450 Support on Autonomous Mode

This release introduces two modes of setting the required credentials to communicate with the module. The username and password that should be used in these CLIs can be found on the sticker label that comes with the P-LTE-450 module.



Important You **MUST** set the username and password before performing any P-LTE-450 parameter configuration.

Configuration

The recommended configuration is through the Config mode:

```
interface GigabitEthernet 0/1/0
lte450 credential username username password password
```

Using the Exec mode:

```
hw-module subslot 0/1 lte450 set-info username username password password [encrypt]
```



Note Execution of this command will create a file called **bootflash:lte450.info** and should not be deleted.

P-LTE-450 Support Over SDWAN/vManage

The P-LTE-450 is a 450MHz Category-4 LTE PIM, which addresses LTE use cases primarily targeting utility, public safety, and critical infrastructure maintained by public organizations in Europe and other world regions. The module supports only Band 31 and 72 for LTE 450MHz networks.

Support for the P-LTE-450 was introduced in IOS XE 17.12.1a. This release introduces support for the P-LTE-450 over SDWAN /vManage.

Guidelines and Limitations

The following are the limitations of the P-LTE-450 with SDWAN/vManage:

- No PNP support on P-LTE-450 as a primary link.
- P-LTE-450 parameter configuration is only supported with CLI templates.
- P-LTE-450 credential configuration via vManage is not supported on this release. Will be supported in the vManage 20.16 release.

Additional Documentation

Additional documentation for SDWAN/vManage is available at the following links:

- [User Documentation for Cisco IOS XE Catalyst SD-WAN Release 17](#)
- [Cisco Catalyst SD-WAN](#)
- [Cisco SD-WAN Support Information](#)
- [Cisco vManage Monitor Overview](#)
- [Managing the SD-Routing Device Using Cisco SD-WAN Manager](#)