



# Support for P-LTE-450 Pluggable Interface Module

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## Support for P-LTE-450 Pluggable Interface Module

The Cisco Catalyst IR1800 Rugged Series Router now supports the 450MHz category P Long-Term Evolution (LTE) Pluggable Interface Module (PIM), referred to as P-LTE-450. The LTE-450 PIM uses the 450MHz frequency to address LTE use cases primarily targeting utility, public safety, and critical infrastructure maintained by public organizations in Europe and other countries. The module supports only Band 31 and 72, which are the LTE operating frequency bands. Due to hardware limitations, P-LTE-450 is supported only on slot 0/4.

Unlike regular LTE modules, the P-LTE-450 has some differences on the IOS-XE platform. Some of the key differences are:

- IP pass through is on Gigabit Ethernet interfaces rather than cellular interfaces.
- Troubleshooting commands are from the Web user interface of third-party hardware.



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

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The show command output displays interface details:

```
router#show run | sec 0/4/0
interface GigabitEthernet0/4/0
ip address dhcp
negotiation auto
ipv6 dhcp client request vendor
ipv6 address autoconfig
ipv6 enable
interface GigabitEthernet0/4/0.2
encapsulation dot1Q 2
ip address dhcp
ipv6 dhcp client request vendor
```

```
ipv6 address autoconfig
```

```
router#show ip int br
Interface IP-Address OK? Method Status Protocol
GigabitEthernet0/0/0 10.195.236.86 YES NVRAM up up
GigabitEthernet0/1/0 unassigned YES unset down down
GigabitEthernet0/1/1 unassigned YES unset down down
GigabitEthernet0/1/2 unassigned YES unset up up
GigabitEthernet0/1/3 unassigned YES unset down down
Wl0/1/4 unassigned YES unset up up
GigabitEthernet0/4/0 192.168.200.194 YES DHCP up up
GigabitEthernet0/4/0.2 192.168.4.6 YES DHCP up up
GigabitEthernet0/4/0.3 192.168.5.2 YES DHCP up up
Async0/2/0 unassigned YES unset up down
Vlan1 192.168.50.1 YES NVRAM up up
```

For more information on how to configure the router interface for the P-LTE-450 module, See

- [Configuring the Router Interface for the P-LTE-450 Module](#)
- [Cellular Pluggable Interface Module Configuration Guide](#)
- [LTE 450MHz Alliance](#)