

Commerce Engine (BroadPOS) Network Requirements

This document reviews the network requirements for Commerce Engine (BroadPOS) to function properly.

- The Internet connection must be reliable and have a minimum of 5 Mbps upload and download speeds.
- The wireless requirement for the device is simple, and the following network type is supported:
 - WiFi: 802.11 b/g/n, 2.4GHz, 802.11ac b/g/n, 5GHz
- The bandwidth requirement is minimal, and normal operations can function unaffected with as little as a 64 Kbps connection.



Important: The minimal bandwidth will affect the update process because the Commerce Engine and BroadPOS Shift4 applications are about 10-20 MB each.

Terminal Management Service

To allow the PAX device to communicate with the Terminal Management Service (TMS), ensure outbound communication is allowed to the following.

PAX Store

- DNS Name: t.paxstore.us
- Port: 9080
- Port: 3000

Shift4 Gateway

To access the Shift4 Gateway, ensure outbound communication is allowed to the following:

- Production DNS Name: api.shift4api.net
- UAT DNS Name: api.shift4test.com
- Port: 443

Device Cloud

To access Device Cloud, ensure outbound communication is allowed to the following:

- Production DNS Name: commerce-engine-cluster.shift4payments.com
- UAT DNS Name: commerce-engine-cluster-ce.shift4payments.com
- Port: 5672

POS/PMS Interface

To communicate with the POS/PMS interface, ensure outbound communication is allowed to the following:

- IP Address: Address of the device running the OPI/SPI or REST interface
- Port: 8084 (OPI/SPI)
- Port: 8085 (REST)

Local Admin UI

To access Commerce Engine's Local Admin UI (which is used to make configuration changes), ensure outbound communication is allowed to the following:

- IP Address: Address of the device running the Commerce Engine application
- Port: 9100

Commerce Engine SAF Module

For BroadPOS Shift4 to communicate with Commerce Engine for the SAF (Stand and Forward) Module, ensure outbound communication is allowed to the following:

- IP Address: Address of the device running the Commerce Engine application
- Port: 9366



Note: If SAF is not being used, this is not required.

Error Reporting

In order for Commerce Engine to send error reporting data to Shift4, the customer's firewall must allow outbound communication to the following:

- IP Address: 34.120.195.249

Feature Flags

In order for Shift4 to remotely enable/disable support for specific features, ensure outbound communication is allowed to the following:

- <https://clientstream.launchdarkly.com>
- <https://clientsdk.launchdarkly.com>
- <https://app.launchdarkly.com>
- <https://mobile.launchdarkly.com>