

## LAG (LACP) Configuration



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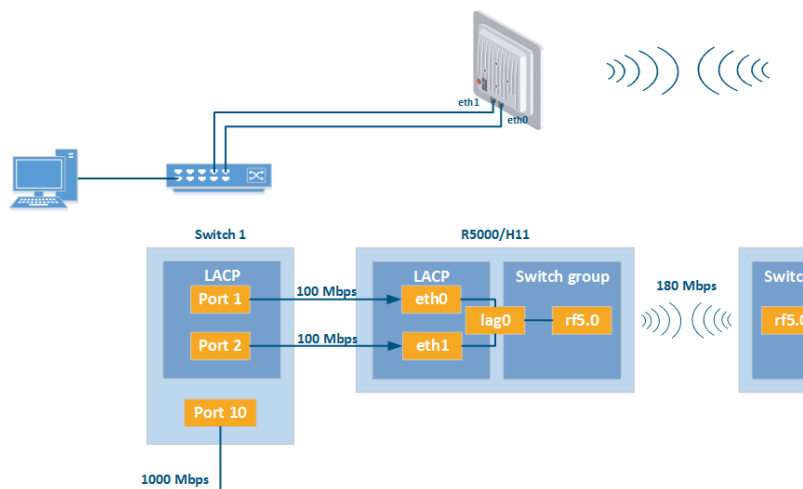


### CAUTION

Configurations from the scenarios below are examples that demonstrate the potential capabilities of the Infinet Wireless devices. The configurations may vary depending on the model and firmware version. We do not recommend copying this solutions to the hardware without checking.

### Description

The maximum throughput of a single port is limited by the standard 100Base-TX. The radio module throughput can be higher depending on the MCS and the channel width. The maximum achievable throughput of the InfiLINK 2x2 LITE and InfiMAN 2x2 CPE families units is up to 180 Mbps of the bi-directional aggregated stream. It is not possible to use the maximum throughput of the radio channel in one direction through one 100Base-TX port. However, the ports aggregation into one LAG allows achieving the maximum throughput in one direction.



*PtP scheme*

This scenario can be also used in "point-to-multipoint" topologies.

- |               |                |             |                   |     |              |  |
|---------------|----------------|-------------|-------------------|-----|--------------|--|
| Device Status | Basic Settings | Maintenance | Spectrum Analyzer | DES | Command Line |  |
|---------------|----------------|-------------|-------------------|-----|--------------|--|

Please setup system Login and Password!

Device Status Basic Settings Maintenance Spectrum Analyzer DFS Command Line

Please setup system Login and Password!

System Settings

Network Settings

eth0 10.10.10.15 Up: ☒ Description: DHCP: ☐ IPv4 MTU: 1500 Mode: auto

eth1 Up: ☒ Description: DHCP: ☐ IPv4 MTU: 1500 Mode: auto POE

rf5.0 Up: ☒ Description: DHCP: ☐ IPv4 MTU: 1500

prf0 Up: ☒ Description: DHCP: ☐ IPv4 MTU: 1500 Parent: eth0 Channel: 0

lag0 Up: ☒ Description: DHCP: ☐ IPv4 MTU: Add parent(s) Fast Mode: ☐

Remove Interface

svi1 192.168.103.35 Up: ☒ Description: L2 Management Interface DHCP: ☐ IPv4 MTU: 1500

Create Pseudo-RF Create VLAN Create LAG Create SVI Create Tunnel Create Tap

Lag parent(s): ☒ eth0 ☒ eth1 ☐ rf5.0 ☐ prf0 ☐ svi1

OK Close

3. Select LACP (Standard or Fast mode). "Standard" LACP fully complies with the standard IEEE 802.3ad. "Fast" LACP uses only with Infinet Wireless devices and increases efficiency and performance compared "Standard" mode.

### CAUTION

The "Fast" mode is a proprietary extension of the LACP protocol. Compatibility of this mode is guaranteed only with devices that support MINT protocol.

lag0 10.10.20.10 Up: ☒ Description: DHCP: ☐ IPv4 MTU: Parent(s): eth0 eth1 Add parent(s) Fast Mode: ☒

Remove Interface

10 10 20 10 24 X

4. Assign management IP for LAG interface or SVI (optionally).
5. Configure switch group.

### MAC Switch

Help Enable Switch: ☒ Max. Sources: 5000 Disable STP Forwarding: ☐

Group #	Status	Interfaces	STP	Repeater	IGMP	Flood	Inband	Mode
1	Started	rf5.0 pass X	lag0 pass X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Normal

Rules

Default Action: permit Default QM Channel: Default Priority: Up to

Remove L3 Management Attached to svi1

Create Switch Group

## Configuration via CLI

"lag" command and its parameters description is given in the section "[lag command \(Link Aggregation\)](#)".

## Configuration Example

Configuration via CLI:

- Create LAG interface, add eth0 and eth1 interfaces to it.

### LAG Creation

```
lag 0 port eth0 eth1
ifc lag0 up
```

- Assign management IP for a LAG interface or SVI (optionally).

**CAUTION**

If you associate a management IP address with a LAG interface, you must first assign the IP address to the interface and then make the interface active.

**Creating Managment**

```
ifc lag0 10.10.10.1/24
```

- Configure [switch group](#).

**Creating Managment**

```
switch group 1 add 2 rf5.0 lag0  
switch group 1 start
```