

Redundancy based on STP



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CAUTION

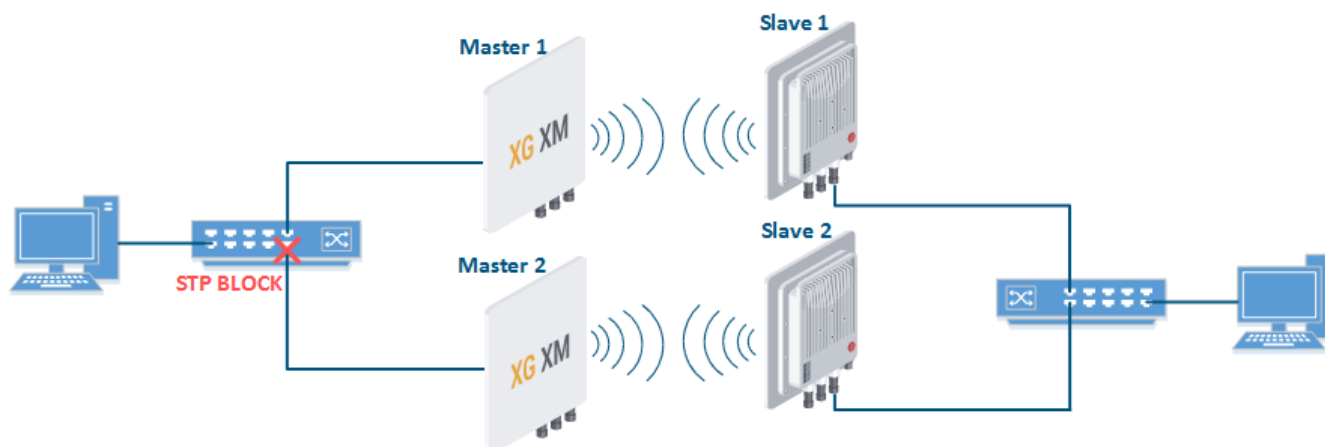
Configurations from the scenarios below are examples that demonstrate the potential capabilities of the InfiNet Wireless devices. The configurations may vary depending on the model and firmware version. We do not recommend copying this solutions to the hardware without checking.

Description

InfiLINK XG/InfiLINK XG 1000 devices do not have software functionality for redundant links. However, you can create two redundant links on them with using third-party devices based on public technologies.

The simplest scheme will be the organization of two links established at the 2 level of OSI via two InfiLINK XG/InfiLINK XG 1000 devices. STP protocol excludes loops. The traffic will be transmitted through one of the links, but if it breaks, it will go to the next one.

Unfortunately, in this case, the use of one frequency for two pairs of devices is not desirable.



Configuration Example

- Configure Master 1 and Slave 1 as the main link.

Master 1

```
xg -type master
xg -tdd-sync-src freerun
xg -cell-id 1
xg -channel-width 40
xg -freq-dl 5000
xg -freq-ul 5000
xg -short-cp 1
xg -freq-auto 0
xg -max-distance 1
xg -sframelen 5
xg -tdd-profile-auto-switching 1
xg -txpwr 0
xg -ctrl-block-boost 1
xg -atpc-master-enable 1
xg -atpc-target-rssi -55
xg -atpc-rssi-threshold 1
```

Slave 1

```
xg -type slave
xg -tdd-sync-src freerun
xg -cell-id 1
xg -channel-width 40
xg -freq-dl 5000
xg -freq-ul 5000
xg -short-cp 1
xg -freq-auto 0
xg -max-distance 1
xg -sframelen 5
xg -tdd-profile-auto-switching 1
xg -txpwr 0
xg -ctrl-block-boost 1
xg -atpc-master-enable 1
xg -atpc-target-rssi -55
xg -atpc-rssi-threshold 1
```

- Configure Master 2 and Slave 2 as a backup link.

Master 2

```
xg -type master
xg -tdd-sync-src freerun
xg -cell-id 2
xg -channel-width 40
xg -freq-dl 5100
xg -freq-ul 5100
xg -short-cp 1
xg -freq-auto 0
xg -max-distance 1
xg -sframelen 5
xg -tdd-profile-auto-switching 1
xg -txpwr 0
xg -ctrl-block-boost 1
xg -atpc-master-enable 1
xg -atpc-target-rssi -55
xg -atpc-rssi-threshold 1
```

Slave 2

```
xg -type slave
xg -tdd-sync-src freerun
xg -cell-id 2
xg -channel-width 40
xg -freq-dl 5100
xg -freq-ul 5100
xg -short-cp 1
xg -freq-auto 0
xg -max-distance 1
xg -sframelen 5
xg -tdd-profile-auto-switching 1
xg -txpwr 0
xg -ctrl-block-boost 1
xg -atpc-master-enable 1
xg -atpc-target-rssi -55
xg -atpc-rssi-threshold 1
```

- Configure STP (not included in the example)