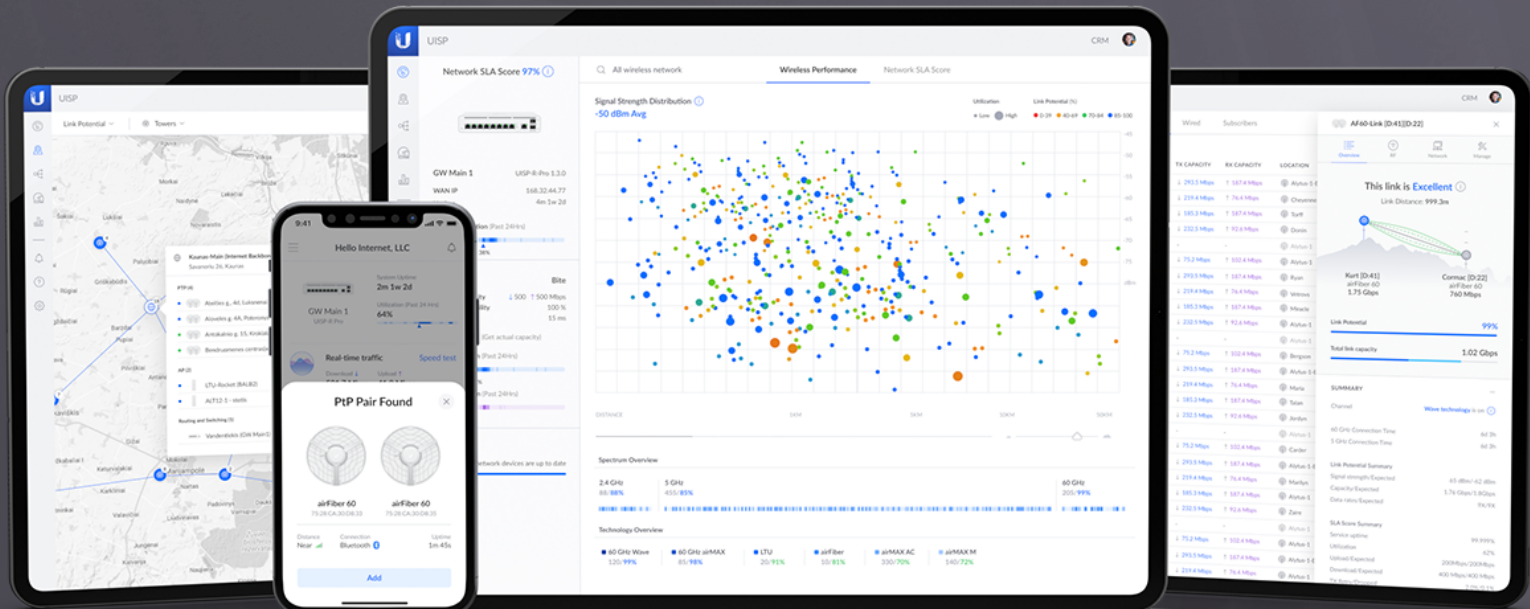




# airFiber 60 XG

4+ km, multi-gigabit, 60 GHz bridge with SFP+ support.

The airFiber 60 XG (AF60 XG) is a 60 GHz point-to-point (PtP) bridge with a built-in, 5 GHz backup radio. The AF60 XG delivers low-interference, low-latency throughput, making it an ideal component for carrier backhaul. It also features integrated GPS and a Bluetooth management radio to simplify setup and configuration.



## Mechanical

|                     |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| Dimensions          | 779 x 664 x 383 mm (30.68 x 26.14 x 15.06")                                      |
| Weight              | Without mount: 8.6 kg (19 lb)<br>With mount: 13 kg (28.7 lb)                     |
| Enclosure materials | UV stabilized polycarbonate, steel                                               |
| Mount material      | Galvanized steel                                                                 |
| Mount               | Precision Alignment Kit (included)<br>Pole compatibility: Ø40-80 mm (Ø1.5-3.15") |
| Wind loading        | 422 N at 200 km/h (94.86 lbf at 125 mph)                                         |

## Hardware

|                         |                                                                             |
|-------------------------|-----------------------------------------------------------------------------|
| Processor               | Quad-Core ARM® Cortex® A72 at 1.6 GHz                                       |
| Memory                  | 2 GB DDR4                                                                   |
| Networking interfaces   | (1) GbE RJ45 port<br>(1) 1/10G SFP+ port                                    |
| Button                  | Factory reset                                                               |
| RF connections          | Internal                                                                    |
| Max. power consumption  | 31.2W                                                                       |
| Power method            | Passive PoE 4-pairs (1, 2+; 3, 6-) (4, 5+; 7, 8-) or 2-pairs (4, 5+; 7, 8-) |
| Power supply            | 48VDC, 0.65A Gigabit PoE adapter (included)                                 |
| Supported voltage range | 48VDC ± 10%                                                                 |
| Operating temperature   | -40 to 55° C (-40 to 131° F)                                                |
| Operating humidity      | 5 to 95% noncondensing                                                      |
| Certifications          | FCC, IC, CE, terragraph                                                     |

## LEDs

|          |                                                                                                                |
|----------|----------------------------------------------------------------------------------------------------------------|
| Power    | Flashing white: bootup in progress<br>White: not connected to UISP™ console<br>Blue: connected to UISP console |
| Ethernet | Flashing blue: ethernet activity                                                                               |
| GPS      | Blue: receiving at least (4) GPS satellite signals                                                             |
| 60G      | Blue: active connection                                                                                        |
| 5G       | Blue: active connection                                                                                        |

System

|                    |                                                                             |
|--------------------|-----------------------------------------------------------------------------|
| Maximum throughput | 5 GHz: 866.6 Mbps<br>60 GHz: 3.8 Gbps/6 Gbps (with channel bonding enabled) |
| Maximum range      | 4 km                                                                        |
| Encryption         | WPA2-PSK (AES)                                                              |

Software

|                               |                                                             |
|-------------------------------|-------------------------------------------------------------|
| OS                            | airFiber®                                                   |
| Modes                         | PtP only                                                    |
| Services                      | UISP, ping watchdog, NTP client, system log                 |
| Utilities                     | Antenna alignment tool, discovery utility, ping, speed test |
| Management interface          | Bluetooth management for easy setup over UISP App<br>WEB UI |
| Minimum software requirements | Modern Web browser or Android/iOS smartphone                |

RF

|                      |                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------|
| Operating frequency* | 57 to 66 GHz<br><small>* Depends on regulatory region.</small>                                              |
| GPS                  | Yes                                                                                                         |
| Channel bandwidth    | 2160 MHz/4320 MHz (with channel bonding enabled)                                                            |
| Operating channels   | 58320, 59400, 60480, 61560, 62640, 63720, 64800 MHz*<br><small>*It depends on the channel bandwidth</small> |

Back-Up RF

|                                               |              |         |                 |
|-----------------------------------------------|--------------|---------|-----------------|
| Operating frequency*                          | US/CA        | U-NII-1 | 5150 - 5250 MHz |
|                                               |              | U-NII-3 | 5725 - 5850 MHz |
|                                               | Worldwide    |         | 5150 - 5875 MHz |
| <small>*Depends on regulatory region.</small> |              |         |                 |
| Channel bandwidth                             | 20/40/80 MHz |         |                 |

