

Q

Search UISP products

60 GHz Wireless

Wireless

Fiber

Wired

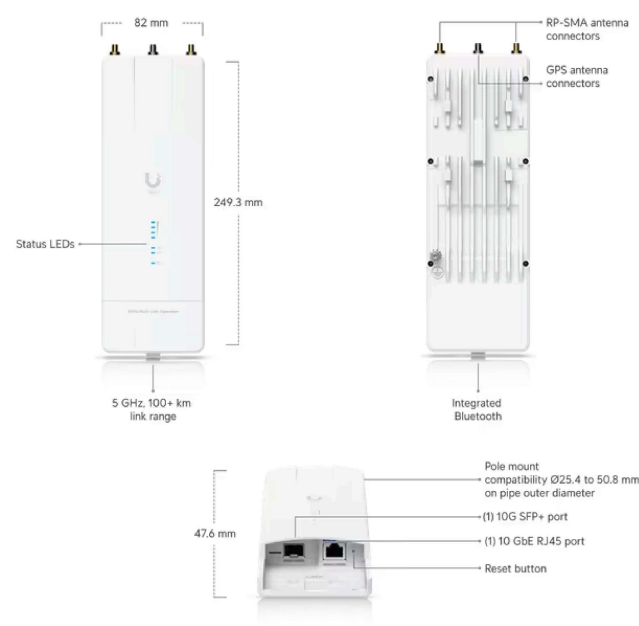
Accessory Tech

Wave MLO > Wave MLO5

Datasheet

Marketing Images

Installation Guide



Mechanical

|                     |                                                                         |
|---------------------|-------------------------------------------------------------------------|
| Dimensions          | 249.3 x 82 x 47.6 mm (9.8 x 3.2 x 1.9")                                 |
| Weight              | 575 g (1.3 lb)                                                          |
| Enclosure material  | Aluminum alloy, UV-resistant polycarbonate                              |
| Mount material      | Strap: stainless metal<br>Universal bracket: UV-resistant polycarbonate |
| Pole mount diameter | 25.4 to 50.8 mm (1 to 2") on pipe outer diameter                        |
| Weatherproofing     | IPX6                                                                    |

Hardware

|                        |                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------|
| Processor              | Quad-core IPQ5322 at 1.5 GHz                                                                                |
| Memory                 | DDR4 1 GB                                                                                                   |
| Networking interface   | (1) 10 GbE RJ45 port<br>(1) 10G SFP+ port                                                                   |
| RF connectors          | (2) RP-SMA (Waterproof)<br>(1) GPS (Waterproof)                                                             |
| Max. power consumption | 20W                                                                                                         |
| Power method           | Passive PoE 4-pairs (1, 2+; 3, 6-) (4, 5+; 7, 8-)<br>Passive PoE 2-pairs (4, 5+; 7, 8-), for 44-54V DC only |
| Power supply           | 54V DC, 0.56A, 10 GbE PoE adapter (Included)                                                                |

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| Supported voltage range       | 44–54V DC<br>22–27V DC                                  |
| Max. TX power*<br>5 GHz       | 24 dBm<br><small>*Depends on regulatory region.</small> |
| MIMO<br>5 GHz                 | (2) 2 x 2                                               |
| GPS                           | Yes                                                     |
| Button                        | (1) Factory reset                                       |
| LEDs                          | (1) Power, (1) Ethernet, (1) GPS, (4) signal            |
| Ambient operating temperature | -40 to 60° C (-40 to 140° F)                            |
| Ambient operating humidity    | 5 to 95% noncondensing                                  |
| Certifications                | FCC, IC, CE                                             |

Software

|                  |                                                                                                           |
|------------------|-----------------------------------------------------------------------------------------------------------|
| Operating mode   | PtP                                                                                                       |
| Services         | UISP, ping watchdog, NTP client                                                                           |
| Tools            | Alignment, speed test, ping, traceroute, discovery, site survey                                           |
| Network          | Bridge mode                                                                                               |
| Total throughput | 5+ Gbps                                                                                                   |
| Max. range*      | 100 km<br><small>*Throughput and range values may vary depending on the environmental conditions.</small> |
| Encryption       | WPA3-PSK (AES)                                                                                            |

RF

|                      |                                                                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating frequency* | 5180 – 5320, 5500 – 5700, 5745 – 5825 MHz<br><small>*Depends on regulatory region.</small>                                                                      |
| Channel bandwidth    | Radio 1: 20, 40, 80, 160 MHz<br>Radio 2: 20, 40, 80, 160, 240 MHz                                                                                               |
| Modulation           | BPSK (½), QPSK (½), QPSK (¾), 16QAM (½), 16QAM (¾), 64QAM (⅔), 64QAM (¾), 64QAM (⅘), 256QAM (¾), 256QAM (⅘), 1024QAM (¾), 1024QAM (⅘), 4096QAM (¾), 4096QAM (⅘) |

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