



## ADPX-WiFi-2UFL is a bidirectional diplexer module for WiFi systems

The ADPX-WiFi-2UFL allows splitting of dual-band (2.4 and 5 GHz) WiFi signal from a single 2x2 radio into separated single-band 2.4 and 5 GHz antennas. The module is bidirectional thus a reversed operation is also possible.

Low signal insertion loss, passive operation, without additional power supply and compact size simplify integration with any WiFi system.

### Key features

- 1 2x IPEX/U.FL for dual-band (2.4 & 5 GHz) 2x2 signal
- 2 2x IPEX/U.FL for single-band (2.4 GHz) 2x2 signal
- 3 2x IPEX/U.FL for single-band (5 GHz) 2x2 signal
- 4 2x passive diplexer under metal shielding

<b>Antenna connectors</b>	6× IPEX/U.FL
<b>Maximum input power per port</b>	33 dBm
<b>Insertion loss (common → single-band port)</b>	< 1.0 dB (2.4 GHz) < 2.0 dB (5 GHz)
<b>Common port return loss</b>	< -20 dB (2.4 GHz) < -10 dB (5 GHz)
<b>Isolation between 2.4 and 5 GHz ports</b>	> 20 dB
<b>Mounting holes</b>	Ø 3.2 mm, spacing 35.8 mm
<b>Dimensions</b>	43 × 20.3 × 3.6 mm



