



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

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



