

UZI-FDD 1.8G ICS + FDD 2.1G ICS + TDD 3.5G Analog 5W Wireless Repeater



Features:

- Multi-band support covering B1, B3, and N78 frequency ranges.
- Equipped with ICS self-excitation cancellation technology.
- Features local USB monitoring and remote monitoring via MODEM or RJ45.
- It has a wide operating temperature range of - 25°C to + 55°C.
- Comes with external indicator lights for power and alarm status.



Technical Specification:

Product Name:

1. UZI-FDD1.8GICS+2.1GICS+ TDD3.5GMN-5W-Repeater

Items:	Uplink (UL) & Downlink (DL) Specifications:
Frequency Range:	<ol style="list-style-type: none">1. B3 (Band With 65 MHz):<ol style="list-style-type: none">a. UL:1710 MHz - 1775 MHzb. DL:1805 MHz - 1870 MHz2. B1<ol style="list-style-type: none">a. UL:1920 MHz - 1980 MHzb. DL:2110 MHz - 2170 MHz3. N78<ol style="list-style-type: none">a. UL:3300 MHz - 3570 MHz

	b. DL:3300 MHz - 3570 MHz
Max Gain:	<ol style="list-style-type: none"> 1. UL:85±3dB 2. DL:88±3dB
Maximum Output Power:	<ol style="list-style-type: none"> 1. UL:30±1dBm 2. DL:37±1dBm
Maximum Input Level:	<ol style="list-style-type: none"> 1. UL:0dBm 2. DL:0dBm
Gain Adjustment Range:	<ol style="list-style-type: none"> 1. UL:≥25dB 2. DL:≥25dB
ALC Range:	<ol style="list-style-type: none"> 1. UL:≥10dB 2. DL:≥10dB
ICS Self-oscillation Cancellation Degree (for B1 & B3):	<ol style="list-style-type: none"> 1. UL:≥ 25 dB 2. DL:≥ 25 dB
ICS (for B1 & B3):	<ol style="list-style-type: none"> 1. UL:Configured 2. DL:Configured
Gain Flatness:	<ol style="list-style-type: none"> 1. UL: <ol style="list-style-type: none"> a. ATT10dB: ≤±1dB b. ATT20dB: ≤±1dB c. ATT25dB: ≤±1.5dB 2. DL <ol style="list-style-type: none"> a. ATT10dB: ≤±1dB b. ATT20dB: ≤±1dB c. ATT25dB: ≤±1.5dB
In-Band Ripple:	<ol style="list-style-type: none"> 1. UL:≤5dB 2. DL:≤5dB
Out-of-band Rejection (for B1 & B3):	<ul style="list-style-type: none"> • 0.2 ≤ f_offset_CW < 1.0 MHz: Total Net Gain ≤ 60 dB • 1.0 ≤ f_offset_CW < 5.0 MHz: Total Net Gain ≤ 45 dB • 5.0 ≤ f_offset_CW < 10.0 MHz: Total Net Gain ≤ 45 dB • 10.0 MHz ≤ f_offset_CW: Total Net Gain ≤ 35 dB
Noise Figure:	<ol style="list-style-type: none"> 1. UL:≤6dB

	2. DL: $\leq 6\text{dB}$
Transmission Delay:	1. UL: $\leq 5\mu\text{s}$ 2. DL: $\leq 5\mu\text{s}$
EVM:	$\leq 6\%$
VSWR:	1. UL: $\leq 1.5:1$ 2. DL: $\leq 1.5:1$
ACPR:	1. UL: <ul style="list-style-type: none"> B1 & B3: $\leq -45\text{ dBc}$ N78: $\leq -41\text{ dBc}$ 2. DL: <ul style="list-style-type: none"> B1 & B3: $\leq -45\text{ dBc}$ N78: $\leq -43\text{ dBc}$
Operating Temperature:	$-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$
Connector Model:	2 units of N-Female/ $50\ \Omega$ connectors, mounted on the same side of the chassis 
External Chassis Indicator Lights:	Total of 2 indicators: <ul style="list-style-type: none"> Power Indicator: 12V, green Alarm Indicator: 3.3V, dual-color
Local Monitoring USB Port:	The local monitoring port on the chassis is a USB port. Each device is equipped with 2 data cables at the time of factory shipment 
Power Supply:	AC110-220V

Power Consumption:	≤300W
Chassis Dimensions:	500*440*187mm
Weight	≤30kg
Monitoring & Modem Functions:	<ul style="list-style-type: none">• Local monitoring: USB interface• Remote monitoring: via MODEM or RJ45 interface

Sample:

