

D-DL

DRONEIT DATALINK



HD Video Streaming

- Real-time HD Video Streaming using 2.4 / 5.8Ghz Bandwidth
- Communication up to 20km LOS Distance using an amplifier



UAV Optimized Interface

- GH type Standard Connector for FC
- Micro USB port for easy connection to GCS
- AES encryption
- Multiple Serial Ports



Wireless Communications

- Video Data, Flight Data, and Sensor Data
- 2.4Ghz / 5Ghz Selective Bandwidth Support
- Optional LTE Communications

DRONEiT DATALINK D-DL

- 2.4 GHz, 5.8 GHz dual band support
- MIMO 2x2 Antenna Outdoor Type
- 10/100/1000 Base-T 1Port Ethernet
- Up to 300Mbps Data Rate / Optimal 20Mbps within 5Km
- Max 20Km Wireless Coverage at LOS



Wireless	Standards	IEEE802.11a/n/h/s for Wireless LAN IEEE802.11i for Wireless Security IEEE802.3u for 10/100/1000T(X) Full Duplex
	Operation Mode	Access Point, Bridge
	Wireless Standard	IEEE802.11a/b/g, 802.11n
	Frequency Range	2.4GHz, 5.8GHz
	Rate	Optimal 20Mbps, Max 300Mbps
	Modulation	11n (HT20/HT40) : MCS0 ~ MCS15 (OFDM)
	Sensitivity	5.8 GHz, OFDM 6Mbps : -90dBm, 54Mbps : -73dBm
	Bandwidth	Ability to configure 20 and 40MHz channel bandwidth, Transmit Power Control(TPC)
Device Managements	Administrator ID/PW, Station & AP Associated Information System Information, Telnet/SSH Server Support Web-based Configuration, Upgrade through HTTP/TFTP Event Log (WEB Interface), Factory Default	

Network	Interface	2 x Serial Ports, 1 x micro USB Port(USB to Serial) 2 x USB2.0 Ports, 1 x LTE PCI-E Slot, 1 x USIM Slot 1 x Ethernet 10/100/1000BASE-T(RJ-45) Auto negotiation speed
	LAN / WAN	IP, Subnet, Gateway
	DHCP	Server/Client
	Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, ARP, DNS
	Security	SSID Protection, 64bit-128bit WEP Encryption, 802.11i, AES and/or TKIP, WPA2.0(with Radius Server or Pre- Shared Key), WPA, 802.1x Authentication, IP/MAC Filtering(Allow, Deny), HTTPS(SSL) Encryption, Password Protection
	Operating Range	Max 20Km at LOS

General	Operating Temperature	-20°C ~ +70°C
	Humidity	5% to 95% (non-condensing)
	Power	USB-C(1.5A) or DC Jack 5V
	Dimension	W100 x H90 x D20 mm
	Weight	100 g (PCB Only)

Section		D-DataLink	Section		D-DataLink
Antenna (Receiver)	Frequency Range	5150-5850Ghz	Antenna (Sender)	Frequency Range	5150-5850Ghz
	Beamwidth	Vertical 7° Horizontal 360°		Type	Omni Direction
	Gain	12 dBi		Gain	6dBi
	Impedance	50 Ω		Impedance	50 Ω
	Dimension	Φ15x490 mm		Dimension	201mm
	Weight	1ea 200g		Weight	1ea 26.96g

(Recommended Antenna, 5.8Ghz Case)