

DDL™ DIGITAL DATA LINK™






AeroVironment's Digital Data Link (DDL) is a small, lightweight, broadband digital network module enabling enhanced command and control of small UAS. DDL is IP-based, allowing maximum flexibility and interoperability between small airborne and ground systems with limited power and bandwidth to maximize the number of systems that can operate in a given area.

Maximum Flexibility and Interoperability









SPECIFICATIONS (MODULES)

MINI DDL MODULE

SIZE	1.95" x 2.35" x 0.35" (49 mm x 59 mm x 8.9 mm)	    
WEIGHT	0.99 oz (28 g)	
TX POWER	2 W	
RX SENSITIVITY	-93 dBm	
POWER CONSUMPTION	8 W at 1 W TX	
OPERATING VOLTAGE	5.5-16 V	
DATA RATE	4.5 Mbps	
INTERFACES	LVDS/USB	
FREQUENCY BANDS	M1/2/5 or M3/4/6	

BASE DDL MODULE

SIZE	2.05" x 5" x 0.375" (52 m x 127 mm x 9.5 mm)	     
WEIGHT	2.1 oz (60 g)	
TX POWER	2 W	
RX SENSITIVITY	-93 dBm	
POWER CONSUMPTION	10 W at 1 W TX	
OPERATING VOLTAGE	5.5-9 V	
DATA RATE	4.5 Mbps	
INTERFACES	Ethernet/RS-232/RS 485/USB	
FREQUENCY BANDS	M1/2/5 or M3/4/6	

SPECIFICATIONS (ANTENNAS)



SIZE	4" x 2.25" x 0.75" (10.2 cm x 5.71 cm x 1.9 cm)	4.4" x 2.8" x 10.1" (11.2 cm x 7.1 cm x 25.7 cm)	Base Diameter: 5.3' (1.6 m) legs not extended Approx. Height: 5.5' (1.7 m) min. 9.1 ft (2.8 m) max.
WEIGHT	7.1 oz (200 g)	7.7 oz (220 g)	Approx. 300 lb (136 kg), deployed
TX POWER	1.5 W	1.5 W	1.5 W
RX SENSITIVITY	-93 dBm	-93 dBm	-93 dBm
POWER CONSUMPTION	9 W	6.5 W	18 W
OPERATING VOLTAGE	5.5-16 V	5.5-16 V	12-24 V
DATA RATE	4.5 Mbps	4.5 Mbps	4.5 Mbps
SUPPORTED COMPRESSION	N/A	N/A	MPEG2 or H.264 SD
INTERFACES	USB/RS	Ethernet/RS-232/RS 485	SDI/ASI/Ethernet
FREQUENCY BANDS	M1/2/5 or M3/4/6	M1/2/5 or M3/4/6	M1/2/5 or M3/4/6