

DZMx IRIDIUM® PTT

FAST, SECURE ONE-TO-MANY
COMMUNICATIONS AT THE
TOUCH OF A BUTTON.



Flightcell
www.flightcell.com

Iridium® Satellite Push-to-Talk from the Cockpit.

Global Push-to-Talk with DZMx

Flightcell DZMx, the world's smallest, lightest, toughest and smartest satellite and cellular communications system - now with Iridium® Satellite Push-to-Talk (PTT).

DZMx's Iridium® PTT functionality provides a global one-to-many capability that is fast and secure. Aircraft with PTT capable DZMx can talk to:

- Other aircraft with DZMx PTT
- Personnel on the ground using Iridium® Extreme PTT handsets
- Command posts with DZMx PTT ground stations
- Vehicles with DZMx PTT.

These capabilities are ideally suited to the military, first responder units and search and rescue teams.

Flightcell DZMx switches between PTT and phone modes with the push of a button. DZMx supports aircraft tracking in both phone and PTT modes. PTT will be supported on both the current Iridium® network and Iridium® NEXT.

Coverage areas, device security and talkgroup configuration are adjusted using a web-based Iridium® PTT Command Center tool that simplifies support and maintenance of devices deployed in the field.



DZMx provides:

- ▶ Dual mode phone and PTT capability
- ▶ Rapid switching between phone and PTT mode
- ▶ Automatic registration
- ▶ Fast talkgroup selection
- ▶ Talker ID

DZMx SPECIFICATIONS

ELECTRICAL		MATERIALS		WEIGHT	
Input Voltage	12 – 32VDC	Aluminium 6061		580-720g (1.21-1.59 lbs) depending on configuration	
Power Supply Current	~1A @ 28VDC	CONNECTORS		DATA INTERFACES	
ICS to DZM Audio	Input Levels: 20mVrms to 1.15Vrms, adjustable 775mVRMS nominal	Mounting fasteners:	DZUS or M5	Interface	Description
	Input impedance: 600Ω	Main connector:	1 x D25 male plus 1 x D25 female or 1 x D38999 male (military versions)	RS232	3-wire serial port
Microphone bias voltage	12V via 2.2kΩ	Antenna connectors:	Transceivers TNC GPS: BNC	RS-485/422	4-wire serial port
DZM to ICS Audio	Output levels: Up to 5Vrms, adjustable 775mVRMS nominal	DIMENSIONS		USB-via D25 or D38999	DZMx is USB Host
	Output impedance: 150Ω			10/100 ethernet	Ethernet port
Backlighting Control	AC/DC, 0 - 32V			General purpose inputs	5 (3 x digital, 2 x analogue)
Backlight colour	Green 520nm.			General purpose outputs	2 outputs
GPS	Antenna bias voltage: 5V Antenna current: Up to 100mA Sensitivity: -162dBm (with Flightcell Antenna) Time to first fix: 26s			DO-160G CERTIFICATION	
				Env.Cat [(A2)(B2)(F1)]BAB[UG]HXXXXXZA[AC][SS]MXXXXXXAC	
				ENVIRONMENTAL	
				Built to: IP54 (Civ), IP65 (Mil) Operating temperature: -40°C to 70°C	

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ALWAYS CONNECTED.