

NEW

DZMx IRIDIUM® PTT

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



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) | |
| Power Supply Current | ~1A @ 28VDC | | | depending on configuration | |
| ICS to DZM Audio | Input Levels | CONNECTORS | | DATA INTERFACES | |
| | Input impedance | Mounting fasteners: | DZUS or M5 | Interface | |
| Microphone bias voltage | Output levels | Main connector: | 1 x D25 male plus 1 x D25 female or 1 x D38999 male (military versions) | Description | |
| | Output impedance | Antenna connectors: | Transceivers TNC GPS: BNC | RS232 | 3-wire serial port |
| DZM to ICS Audio | Input impedance | DIMENSIONS | | RS-485/422 | 4-wire serial port |
| | Output levels | | | USB-via D25 or D38999 | DZMx is USB Host |
| Backlighting Control | Output impedance | | | 10/100 ethernet | Ethernet port |
| | Backlight colour | | | General purpose inputs | 5 (3 x digital, 2 x analogue) |
| GPS | Antenna bias voltage | | | General purpose outputs | 2 outputs |
| | Antenna current | | | DO-160G CERTIFICATION | |
| | Sensitivity | | | Env.Cat [(A2)(B2)(F1)]BAB[UG]HXXXXZZA[AC][SS]MXXXXXXAC | |
| | Time to first fix | | | ENVIRONMENTAL | |
| | | | | Built to: | |
| | | | | IP54 (Civ), IP65 (Mil) | |
| | | | | Operating temperature: | |
| | | | | -40°C to 70°C | |

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