

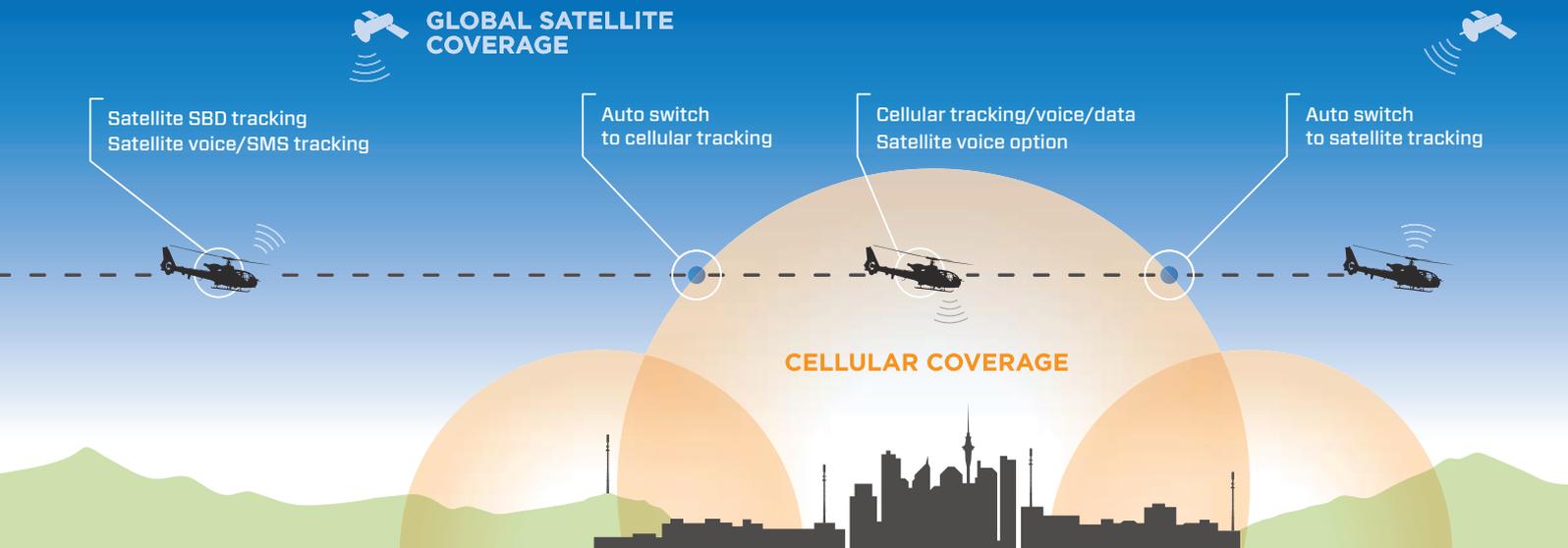
**THE WORLD'S SMALLEST, LIGHTEST ALL-IN-ONE SATELLITE AND CELLULAR VOICE, DATA, AND TRACKING SYSTEM.**

- Global Voice via cellular and Iridium networks
- Global Data via 3G/4G/LTE broadband and Iridium narrowband
- GPS Tracking via both satellite and cellular networks
- Global Push-to-Talk (PTT)
- Built in Wi-Fi and Bluetooth
- Free hand text messaging (with App)



**Now with WiFi and Bluetooth options!**

## DUAL NETWORK AIRCRAFT TRACKING



**DZMx is the only system that offers dual network, uninterrupted GPS tracking via satellite and cellular networks, significantly reducing your costs.**

- Fully unlocked data feed - you choose your tracking and airtime provider
- Uninterrupted tracking, even when on a call
- Tracking via satellite and cellular networks - DZMx uses lower cost option when in range
- Event driven-tracking (user configurable)
- Uses Truepath™ for more precise flight path mapping.
- FAA Helicopter Air Ambulance Mandate Compliant

### 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



▶ **Dual mode phone and PTT capability**

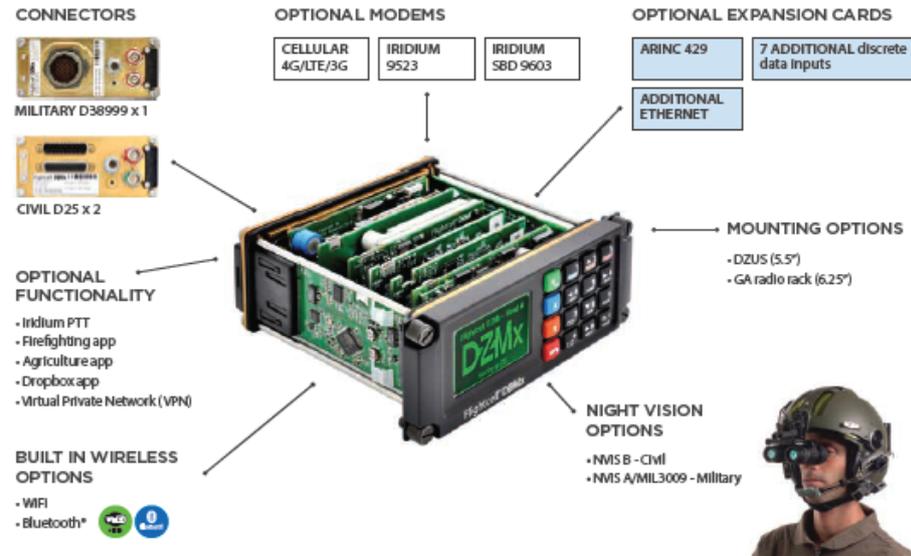
▶ **Rapid switching between phone and PTT mode**

▶ **Automatic registration**

▶ **Fast talkgroup selection**

▶ **Talker ID**

# Flexible Configuration Options



# DZMx SPECIFICATIONS

ELECTRICAL	
Input Voltage	12 - 32VDC
Power Supply Current	-1A @ 28VDC
ICS to DZM Audio	Input Levels 20mVrms to 1.15Vrms, adjustable
	775mVRMS nominal
	600Ω
Microphone bias voltage	12V via 2.2kΩ
DZM to ICS Audio	Output levels Up to 5Vrms, adjustable
	775mVRMS nominal
	600Ω
Backlighting Control	DC, 0 - 32V
	User calibrated High/Low set-points
Backlight colour	Green 520nm. Designed for NVIS compliance.
GPS	Antenna bias voltage 5V
	Antenna current Up to 100mA
	Sensitivity -162dBm (with Flightcell Antenna) 26s
	Time to first fix

MATERIALS	
Aluminium 6061	

CONNECTORS	
Mounting fasteners:	DZUS or M5
Main connector:	1 x D25 male plus 1 x D25 female <b>or</b> 1 x D38999 male (military versions)
Antenna connectors:	Transceivers TNC GPS: BNC

DIMENSIONS				
	DZUS mount		GA mount	
Faceplate width:	146mm	5.75"	158mm	6.22"
Body width:	126mm	4.96"	126mm	4.96"
Faceplate height:	57mm	2.24"	60mm	2.36"
Body height:	54mm	2.13"	54mm	2.13"
Depth (front to rear faces):	110mm	4.33"	110mm	4.33"

WEIGHT	
	580-720g (1.21-1.59 lbs) depending on configuration

DATA INTERFACES	
Interface	Description
RS232	3-wire serial port
RS-485/422	4-wire serial port
USB-via D25 or D38999	DZMx is USB Host Ethernet port
10/100 ethernet	
General purpose inputs	5 (3 x digital, 2 x analogue) 2 outputs
General purpose outputs	

DD-160G CERTIFICATION	
Env.Cat [(A2)(B2)(F1)]BAB[UG]HXXXXZZA[AC][SS]MXXXXXXAC	

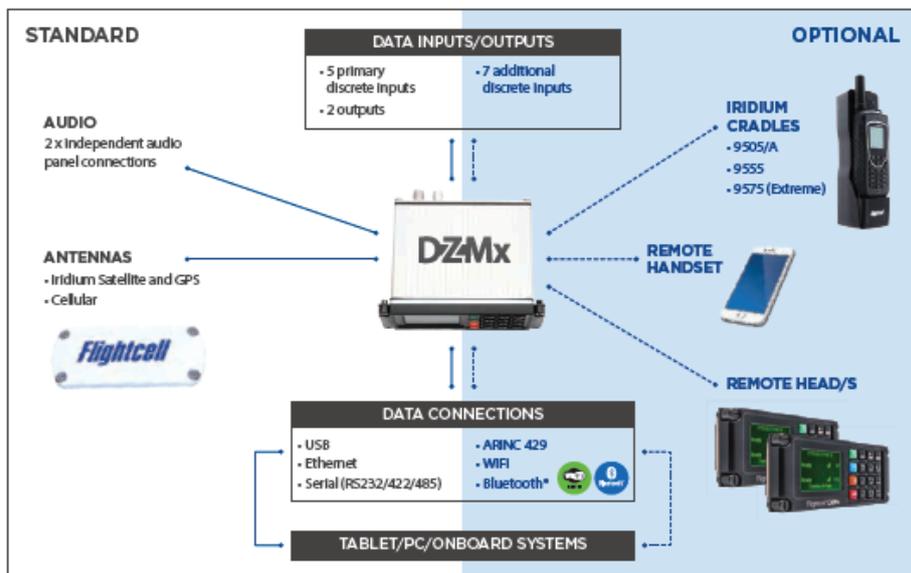
ENVIRONMENTAL	
Built to:	IP54 (Civ), IP65 (Mil)
Operating temperature:	-40°C to 70°C

## DZMx Wi-Fi/ Bluetooth UPGRADES

Upgrade options for existing DXMx units:

- Turnaround time 3 - 4 weeks
- Advance replacement option available

## The DZMx System



## Built in Wi-Fi and Bluetooth (optional)

- Built in functionality - no additional hardware
- No need for a standalone Wi-Fi router
- Save on installation and integration costs
- Provides an onboard hotspot through which you can access the Internet (if DZMx configured for cellular data)
- Connect onboard devices to base (e.g. medical monitors)
- App for iPhone & Android for wireless configuration, free text messaging and calling
- Pair smart devices to the DZMx and use mic and audio with the ICS (e.g. use a cell phone to make or take a call with a headset)
- Hands-free operation
- Stream audio to headset



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