



# DACU EDGE 7-6100

Four channel GPS Anti-Jam for ground and airborne applications

## Key features



Four Channels



L1/L2 Technology



M-Code Compatible



Software Defined



Compact Form Factor

## Overview



**Chelton's Anti-Jam (AJ) systems protect frequency compatible GPS receivers from jamming and spoofing. This 4-channel solution is inherently platform agnostic and works with a wide range of passive CRPAs and L1/L2/L5 GPS receivers.**

## Specifications

**Coverage** L1 Anti-Jam, DF, SigInt  
GPS C/A, GPS L2C, P(Y), M-Code

**Protection** High-Performance Software Defined Algorithms

**Interfaces** 4-channel RF input, RF output, RS422 data

**DC Power** 11W@28VDC

**Dimension (LxWxH)** 79mm (L) x 59mm (W) x 46mm (H)

**Weight** 0.5kg

DACU Edge provides high-performance AJ protection for ground and airborne platforms, with a compact form factor suited to space constrained applications. Its algorithms support highly dynamic environments, including rotor blade modulation and high velocity movement.

Environmentally hardened to MIL-STD-810H, it uses high-performance algorithms, optimised against broadband, spectrally matched, and agile threats.

Built on Chelton's proven AJ family, DACU Edge is miniaturised, software upgradeable and supports a technology roadmap, ensuring continued relevance as threats and platform needs evolve.

# Anti-Jam range

Chelton's Anti-Jam systems are engineered to safeguard GPS receivers against sophisticated jamming and spoofing threats, providing assured navigation performance across diverse platforms and operational environments.



**8-Channel Nulling Anti-Jam**



**8-Channel Beamforming Anti-Jam**



**All-in-One Modular 4-Channel Nulling Anti-Jam**



**4-Channel GPS Anti-Jam**

Part numbers	DACU: 7-6008 CRPA: 20-7009 x 2	DACU: 7-6010 CRPA: 20-8000	7-6150	7-6100
Number of channels	8	8	4	4
Protection	Excision + STAP (nulling)	STAP (nulling and beamforming)	STAP (nulling)	STAP (nulling)
Signal intelligence	DF	DF, Signal Characterisation, Anti-Spoof	DF, Signal Characterisation, Anti-Spoof	DF, Signal Characterisation, Anti-Spoof
Protected bands	GPS L1 and/or L2 C/A, P(Y) and M-Code	GPS C/A, P(Y) and M-Code - L1 and L2	GPS C/A, P(Y) and M-Code - L1 and L2	GPS C/A, P(Y), M-Code (L1 Only)
Interfaces	Analog RF output, RS422 data channel, discretes	Analog RF output, SERDES, RS422, discretes	Analog RF output, RS422 data channel, discretes	4-channel RF input, RF output, RS422 data
Power consumption	42W@28VDC	45W@28VDC	20W@28VDC	11W@28VDC
DACU weight	2.06kg max	2.25kg max	1.0kg max	0.5kg max
DACU dimensions	257 (L) x 97 (W) x 131(H) mm	256 (L) x 90 (W) x 128 (H) mm	120 (diam) x 85 (H) mm	79 (L) x 59 (W) x 46 (H) mm
CRPA dimensions	2 x 114 (diam) x 43 (H) mm	264 (L) x 269 (W) x 36 (H) mm	All-in-One System	Multiple options available including off-the-shelf
CRPA weight	2 x 0.5kg = 1.0kg max	2.3kg max	All-in-One System	Multiple options available including off-the-shelf
Road map	N/A	Anti-Spoof, Signal Characterisation, Multi-Constellation	Anti-Spoof, Signal Characterisation, Multi-Constellation	Anti-Spoof, Signal Characterisation, Multi-Constellation