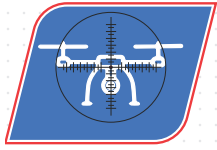




RADIO COMMUNICATION



RADAR



C-UAS



The Multi-Function Active Junction Box plays a crucial role as an essential accessory for RF, Electro-Optic, Servo-based, and Networking components. These Junction box can be installed on Towers, Telescopic Masts, Tripods, and other elevated mechanisms. Functioning as an active junction box, the PAJB facilitates effective interconnectivity for power and data interfaces.

OUR USP's



MIL-STD design and construction



Combination of power supply, protocol conversion and navigation



Customizable based on payload needs



Integrated tightly to PEL tripods and masts with very economical footprint

Sailent Features

- Customizable low foot print Junction boxes to suit every payload atop PEL Masts and Tripods
- Power Conversion and Distribution
- Provision for Battery Charging
- GNSS based direction and elevation sensing
- Various Protocol/Interface Conversion
- Media conversion RF to optical and vice versa
- Battery Power as secondary Backup



External Battery Bank in Pelican Case



Rugged Connector Panel



Industrial Connector Panel

10+ Years of Experience

AS 9100D:2016 Quality Certified
ISO 9001:2015 Manufacturing

50+ Production Capacity per Month



TECHNICAL SPECIFICATIONS

S.No.	Parameters	Specifications
1	DC Power Supply for Equipment	Input: 90 – 285V AC Output: 24V – 72V
2	Electrical Power	Up to 2 KW
3	Battery Bank	24V/ 48V/ 72V
4	Protocol Conversion	"RS232 ↔ RS422 RS232 ↔ V.35 RS232/RS422/V.35 ↔ IP"
5	Media Conversion	Electrical ↔ Optical RF ↔ Optical
6	Ethernet Switch Optical –Electrical interface	4 – 8 Ports (Electrical) 1 – 2 Ports (SFP based Optical) PoE (Optional)
7	Network Synchronization/ Home Location	Via GNSS receiver
8	Protection against Surges	Level 2
9	Protection against lighting	Level 2
10	EMI/EMC	CISPR 22/ EN5022/ MIL-STD-461
11	Environmental	Industrial (IP67)/ MIL-STD-810

CARRYING CASES: SOFT/HARD



Roto Mould/ FRP



Plastic Injection Moulding

