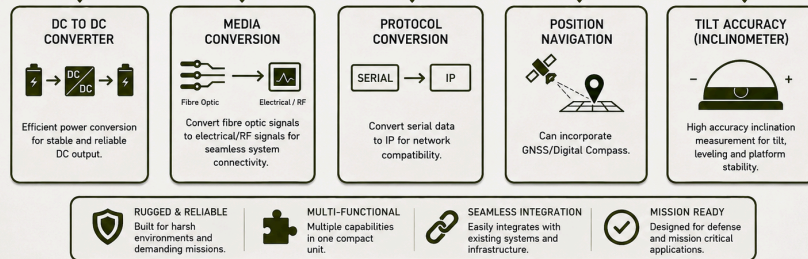


**INTEGRATED TACTICAL HUB
CONSOLIDATING POWER DISTRIBUTION,
GNSS-BASED SPATIAL INTELLIGENCE,
AND HIGH-BANDWIDTH RF-TO-OPTICAL
MEDIA CONVERSION.**



««« BUILT FOR CONNECTIVITY. ENGINEERED FOR MISSION CRITICAL PERFORMANCE. »»»



OUR USP'S

- Provides the tactical "plumbing" for data and power distribution, consolidating multiple complex connections into a single ruggedized and managed hub.
- Built-in GNSS receiver provides real-time spatial navigation and home location data, essential for high-accuracy antenna pointing and network synchronization.
- Advanced RF-to-Optical high-bandwidth media conversion hub allows for interference-free data transmission over long distances using tactical fiber optics.
- Level 2 surge and lightning protection safeguards all connected equipment, ensuring mission continuity during severe thunderstorms or electrical anomalies.

SALIENT FEATURES

- Universal protocol conversion supports real-time translation between RS232, RS422, RS485, and modern IP-based networks for platform-wide interconnectivity.
- Integrated optical and electrical Ethernet network switch provides 4–8 electrical ports and SFP-based optical ports for flexible field networking.
- Secondary battery power backup integrated into the unit ensures critical payload uptime and safe mast retraction during primary vehicle power outages.
- Economical and compact footprint designed to mount easily to any mast or tripod, minimizing the logistics load for tactical teams.



TECHNICAL SPECIFICATION

Parameters	Specifications
DC Power Supply for Equipment	Input: 90–285V AC; Output: 24V–72V
Electrical Power	Up to 2 KW
Battery Bank	24V / 48V
Protocol Conversion	RS232 ↔ RS422; RS232 ,RS485, RS232/RS422 ↔ IP
Media Conversion	Electrical ↔ Optical; RF ↔ Optical
Ethernet Switch Optical–Electrical interface	4–8 Ports (Electrical); 1–2 Ports (SFP based Optical); PoE (Optional)
Network Synchronization / Home Location	Via GNSS receiver/GPS
Protection against Surges	Level 2
Protection against lightning	Level 2
EMI/EMC	CISPR 22 / EN5022 / MIL-STD-461 E/F
Environmental	Industrial (IP67 / MIL-STD-810)

ACCESSORIES

Hard carrying case | Set of Cables

AS 9100D Certified

PRECISION ELECTRONICS LTD.

"We always know who we are working for"

sales@pel-india.in

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