



RUGGED & PORTABLE



**USB / BATTERY
POWERED**

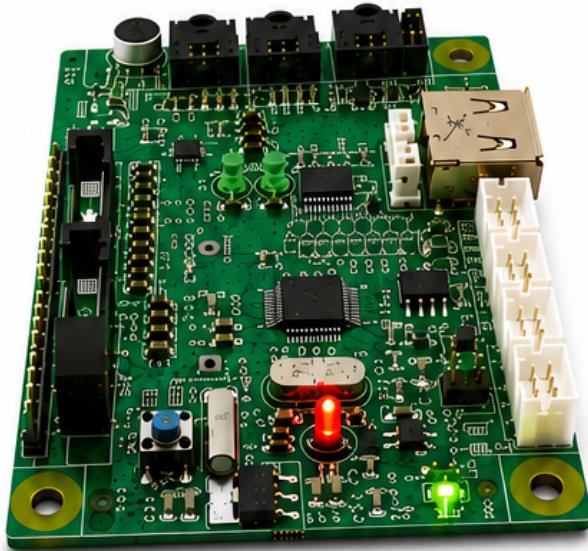


DSP-ENABLED



SECURE & RELIABLE

eADM – Production Hardware



AUDIO PROCESSING

Real-time DSP-based audio acquisition, conditioning, and calibrated playback with a stable output.



SECURE DATA LOGGING

Intelligent data logger with tamper-resistant storage for mission-critical applications.



PROTOCOL INTEGRATION

Supports RS422, analog and digital interfaces for protocol-independent communication.



PORTABLE EMBEDDED PLATFORM

USB- and battery-powered, rugged, compact, and portable for field deployment.

ONE PLATFORM. MULTIPLE APPLICATIONS.



DEFENCE SYSTEMS

Voice warning testing, cockpit systems and mission-critical logging



INDUSTRIAL AUTOMATION

Machine monitoring, control systems and process data logging



HEALTHCARE DEVICES

Patient monitoring, medical data logging and device integration



EMBEDDED AI LABS

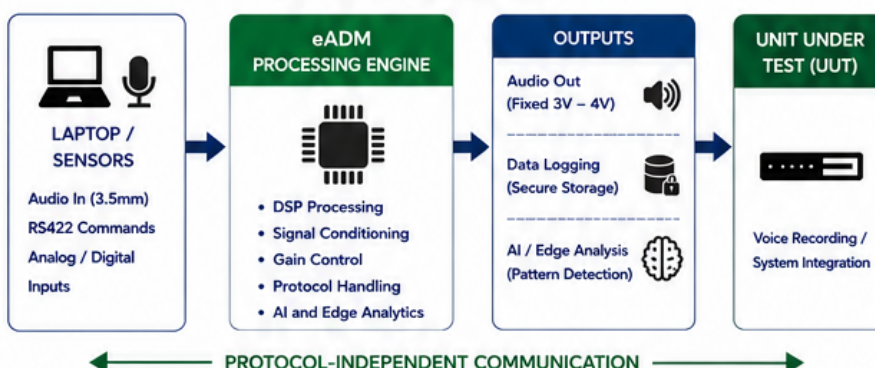
Teaching, learning and research platform for AI, DSP and edge applications



SIGNAL PROCESSING RESEARCH

Audio analysis, pattern recognition, and real-time signal processing

SYSTEM ARCHITECTURE



KEY SPECIFICATIONS

- Audio In : 3.5mm from laptop / source
- Audio Out : Fixed 3V nominal output (Configurable up to 4V)
- Sampling : 8 / 16-bit, 44 – 48 kHz
- Interface : RS422 command reception Analog & Digital I/O
- Power : USB-powered with optional internal battery
- Build : Rugged, compact, and portable for field deployment
- Display & Keys : Multi-mode operation with keypad & display
- Storage : On-board secure memory for data logging



IMPROVE RELIABILITY
Stable calibrated output ensures consistent performance.



REDUCE COMPLEXITY
Protocol-independent integration with plug & play operation.



SAVE POWER
Low power consumption with intelligent power management.



COST EFFECTIVE
One platform for multiple applications – lower total cost.



PROUDLY MADE IN INDIA
Designed & developed for India, for the world.

