

## ARINC664 END SYSTEM EQUIPMENT EIE-20E45



ARINC664 End System Equipment implements ARINC664 part 7 and provides interface between aircraft LRUs and ARINC664 network. It offers an adaptation between RS-422/ARINC664 and Ethernet/ARINC664. In this manner, four RS-422 ports and one Ethernet port are added to the design such that an easy adaptation can be done when a customer wants to use LRUs with flight heritage. Equipment also has a test mode that measures the latency occurred on messages of the relevant VL number.

## FUNCTIONAL SPECS

- Supports 32 VLs
- Adjustable BAG values (1ms to 128ms, 125us to 32ms)
- Supports data lengths of 64 byte as Lmin and 1471 byte as Lmax
- Adjustable message priority (two classes)
- Redundancy enable/disable capability
- Integrity checking enable/disable capability

## INTERFACE SPECS

- Two ARINC664 Ethernet ports
- One user Ethernet port
- Four user RS-422 ports
- Adjustable 100 Mbps/1000 Mbps Ethernet
- Adjustable RS-422 baud rates from 9.6 Kbps to 4 Mbps

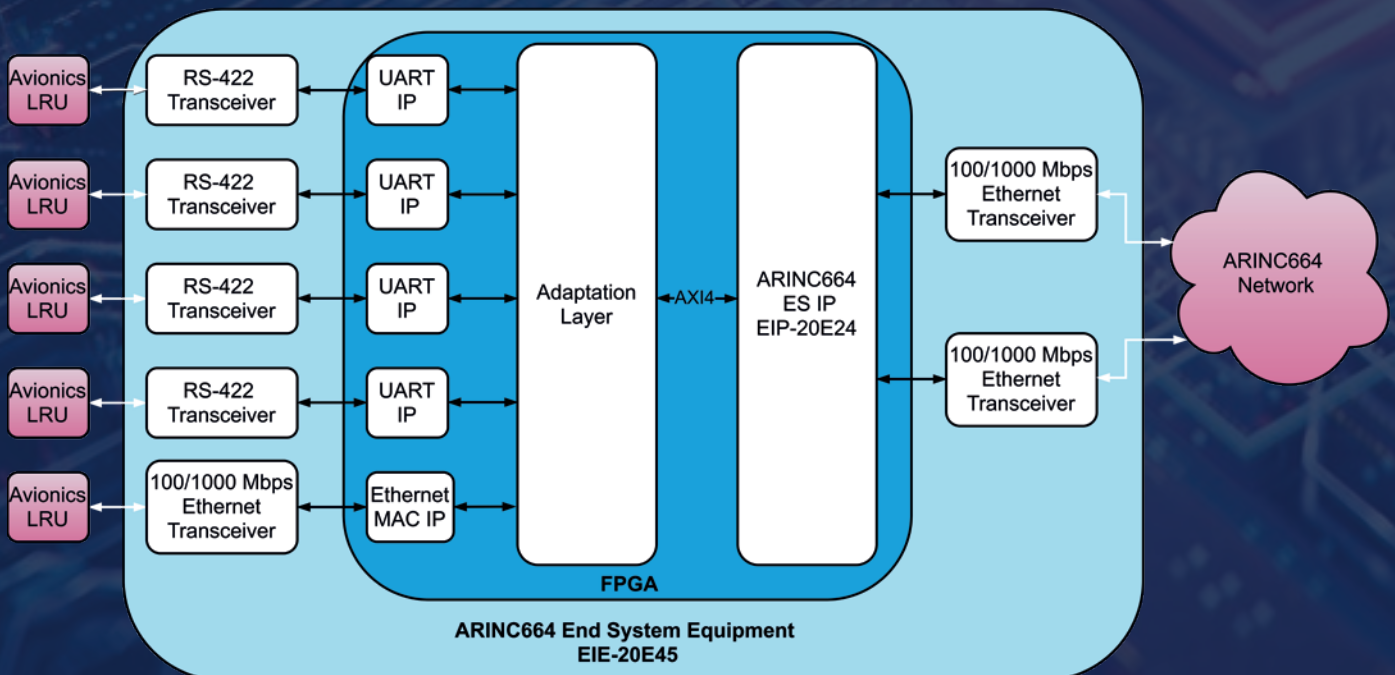
## EQUIPMENT FUNCTIONAL SPECS

- DO-254 DAL A compliance
- Configurable via user Ethernet port
- Outputs error statistics and equipment health through ARINC664 traffic
- A comprehensive built-in self-test
- Test mode support to observe message latency in the network
- IEEE 1588 support
- Free to use GUI for device configuration and traffic generation
- 100mm x 100mm x 50mm
- 400 g weight
- 28 VDC power input
- 5W power consumption

## ENVIRONMENTAL SPECS

- Rugged with conduction cooling design
- Operating temperature of -30°C to +70°C ambient
- Withstanding forces up to ±20G and vibrations of 2,000 Hz
- Operating +60 °C temperature and 95% relative humidity conditions
- CE101, CE102, CS101 and RS103 compliance in the scope of MIL-STD-461G

## BLOCK DIAGRAM



electraic



www.electraic.com



info@electraic.com



+90 216 912 0167