

ARINC664 SWITCH EQUIPMENT EIE-20S45



ARINC664 Switch Equipment implements ARINC664 part 7 and provides switching functionality within the ARINC664 network. It is ideal for use in avionics systems thanks to its light weight, small size, low power consumption. Eight Ethernet ports of 100/1000 Mbps allows to build larger networks. Ethernet ports are isolated from each other; one of the ARINC664 End Systems is disconnected from the network, the switch continues to operate without loss of performance. If the user adapts the configuration, device health information can be injected into the network and sent to the desired destination by joining the network traffic.

FUNCTIONAL SPECS

- Supports 128 VLs
- Adjustable BAG values
- Supports data lengths of 64 byte as Lmin and 1471 byte as Lmax
- Adjustable message priority (two classes)
- Multicasting ability

INTERFACE SPECS

- Eight ARINC664 Ethernet ports
- Adjustable 100 Mbps/1000 Mbps Ethernet

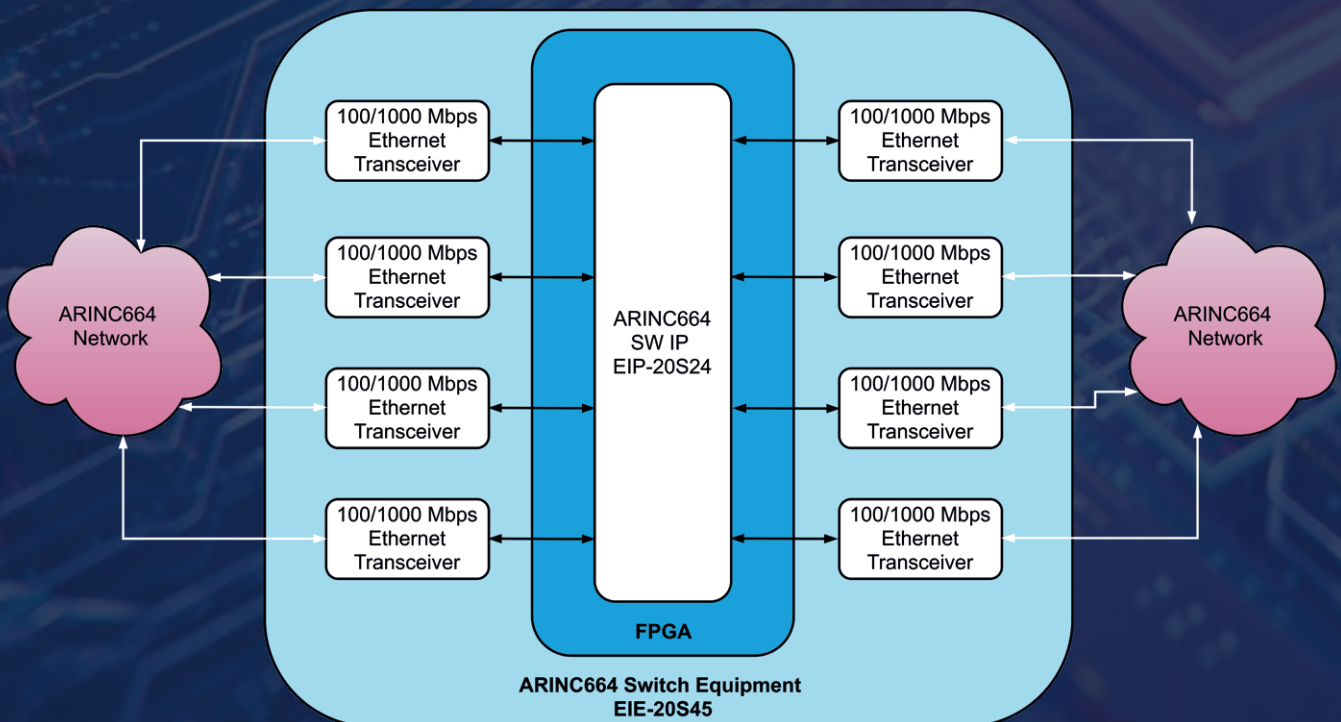
EQUIPMENT FUNCTIONAL SPECS

- DO-254 DAL A compliance
- Configurable via ARINC664 Ethernet port
- Outputs error statistics and equipment health through ARINC664 traffic
- A comprehensive built-in self-test
- 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
- 7W power consumption

ENVIRONMENTAL SPECS

- Rugged with conduction cooling design
- Operating temperature of -30°C to +70°C ambient
- Withstanding forces up to $\pm 20G$ 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