The ES9910 provides **highly-integrated, flexible, fully-managed LAN/VLAN connectivity** for embedded mission systems.

Safran Data Systems offers Embedded Information Management Solutions in a variety of rugged, versatile, scalable equipment and associated services, providing efficient, reliable, and affordable resources for **field/mission data acquisition, processing, storage, exploitation and dissemination**, for on board operation manned or unmanned ground, air and sea vehicles.

**FULLY MANAGED OPERATION**
Supports IPv4/IPv6, VLAN, IGMP filtering

**ADVANCED QUALITY OF SERVICE**
Per IEEE 802.1p

**USER-CONFIGURABLE INTERFACE COMBINAISON**
One 1000Base-SX port plus combinaison 1000Base-T and 100Base-T ports

**QUALIFIED FOR HARSH ENVIRONMENT**
DO-160, MIL-STD-704, -461, -810

**CONFIGURATION VIA DEDICATED ETHERNET PORT**
RJ-45 connector
TECHNICAL SPECIFICATIONS

General characteristics
Configuration: Single Standalone Unit
Dimensions: H 200 x W 256 x D 48 mm (9.7” x 10.1” x 1.9”)
excluding connectors and fixture protrusions
Weight: < 2.5kg (5.5lb)
Cooling: self cooling, no fan
Installation: hard mounting, two locating holes and two securing bolts
Interconnection: MIL-DTL-38999 series 3, Quadrax contacts

Configuration/maintenance: dedicated Ethernet port (RJ-45 connector)

Network
User-configurable interface combination:
One optical fiber-based 1000Base-SX port, and 4 x 1000Base-T + 16 x 100Base-T ports

Configuration:
Power Consumption: 15-30 W, depending on number of ports in operation

Environmental conditions
Qualification testing per RTCA DO-160 and/or MIL-STD-810F
Operating temperature: -40°C to +71°C
Storage temperature: -50°C to +85°C
Humidity: 5% to 96% R.H.
Operating altitude: 0 to 50,000 ft
Operating acceleration: up to 9 g, 6 dir.
Operating random vibration: 7.8 gRMS, 3 axes
Operating shock: 20 g, 11 ms, 6 dir.
Crash safety: 60 g, 11 ms
Salt Fog, Sand and Dust, Fungus resistance
Waterproofness, Fluid contamination
Solar radiation, Fire resistance
EMI-EMC testing per RTCA DO-160 and/or MIL-STD-461C/E

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