Interface Device

Standalone

Functions

- Configurable software with CAT collaborative online development platform
- Software platform for easy user application integration
- Isolated data interfaces
    - RS-485 and CAN system buses
    - RS-232 for direct serial connection
    - ARINC-429 receivers

Description

The ICD-001-000 is a very compact standalone device which is used for bus isolation and easy integration with third-party devices. Interfaces and bridging capabilities are configured with DSL generated by CAT collaborative online development platform.

Connectors

J12	micro-D, Receptacle, 25-pin	
	• 4x RS-485 • 4x CAN	• 2x ARINC-429
J13	micro-D, Receptacle, 9-pin	
	• 2x RS-232	• 1x console RS-232

Specifications

Mechanical and environmental	Dimensions (LxWxH)	50x42x13 mm
	Temperature range	–40 … +85 °C
Electrical	Input voltage	+9 … +36V
	Power consumption	1.4W max.
Computer subsystem	CPU	Single core, Cortex-A9, 667MHz
	RAM	128MB with ECC (256MB without ECC)
	Bootable flash	16MB

Ordering information

Part Number	ICD-001-000