

rBOX201-4COM

Robust DIN-rail Fanless Embedded System with AMD LX800 + CS5536AF and 4 Isolated COM

Features

- Fanless and cableless design
- Supports AMD LX800 processor
- Wide operating temperature range from -40°C to +70°C
- 4 isolated COM ports
- 2 isolated 10/100 Mbps Ethernet ports
- 2 watchdog timer
- LED indicators
- SNMP V1/V2c
- 1 CompactFlash™
- 2 power paths with terminal block and 12-48 VDC
- Supports AXView remote monitoring software package



Introduction

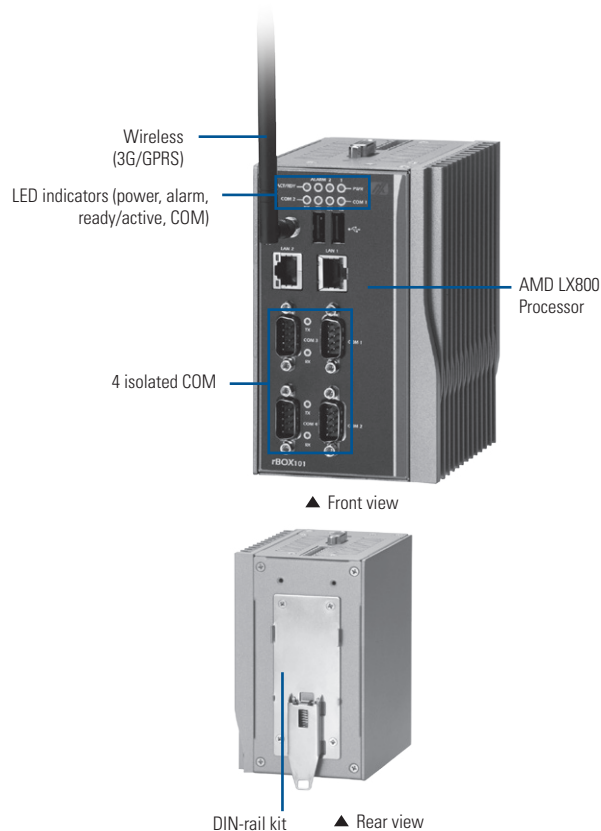
The rBOX201-4COM cost-effective DIN-rail fanless embedded system utilizes the low power AMD LX800 processor and is designed to withstand temperatures ranging from -40°C to +70°C for use in extreme operating environments.

To prevent ESD and over-voltage, this super compact-size rBOX201-4COM is equipped with four isolated RS-232/422/485, two isolated 10/100Mbps Ethernet for offering magnetic isolation protection. Two power paths input minimizes the risk of data loss in the event of a single power failure. IP30 housing, wide operating temperature range and Safety/EMI/EMS compliance, the rBOX201-4COM is ideal for intelligent computing and communication solutions in critical environments such as power utility, transportation and more. Besides, the rBOX201-4COM is also specially designed for remote control/monitoring management applications like unmanned control room, industrial machine, automatic parking lot, traffic cabinet and more.

The ready-to-run rBOX201-4COM equipped with AXView remote monitoring software is a total solution for power plant automation, facility monitoring systems, intelligent transportation systems, and more.

Specifications

Standard Color	Sliver-Black	
Construction	Extruded aluminum and heavy-duty steel, IP30	
CPU	AMD LX800 processor	
System Memory	1 x DDR-400 SO-DIMM, up to 1GB	
System I/O Outlet	Serial Port	4 x Isolated RS-232/422/485 (COM 1~4) Interface select by software or BIOS Supports Auto Flow Control in RS-485 mode ESD protection 15 KV Magnetic isolation protection 2 KV COM 1 & 2 speed up to 115.2kbps COM 3 & 4 serial port speed up to 921.6kbps
	LAN	2 x 10/100 Mbps (Davicom DM9102HI) Magnetic isolation protection 1.5 KV



System I/O Outlet	USB	2 x USB 2.0 USB power distribution control by software
	VGA	1 x DB15 connector
	Power Input	2 x DC power input with terminal block
	Alarm Contact	one relay output with current 0.5A @30 VDC
	Wireless	1 x Mini Card (Full size, supports USB only) 1 x SIM card socket onboard Supports 3G/GPRS
Watchdog Timer	2 WDT WDT 1: one step is 1 sec, 255 levels WDT 2: one step is 250ms, 255 levels	
LEDs	System	Power, Alarm, Ready/Active, COM (TXD,RXD)
	Alarm	DC PWR1 or PWR2 is lost (default) User define event
Storage	1 x CompactFlash™	
Installation	DIN-rail, wall mount	
Power Supply	2 power paths	
	Power Input Range	12-48 VDC
	Power Input Rating	12-48 VDC, 1.5-0.4A
	Power Protection	DC Version: OVP (over voltage protection) UVP (under voltage protection) Reverse protection
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)	
Humidity	10% ~ 95%	
Weight (net/gross)	1.38 kg (3 lb)/1.72 kg (3.78 lb)	
Dimensions	81 mm (3.18") (W) x 110 mm (4.33") (D) x 135 mm (5.31") (H)	
EOS Support	XPE, WinCE, Linux support package	

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