



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Industrial RS-232 Isolated Repeater

Model 232OPDRI

B+B SMARTWORX

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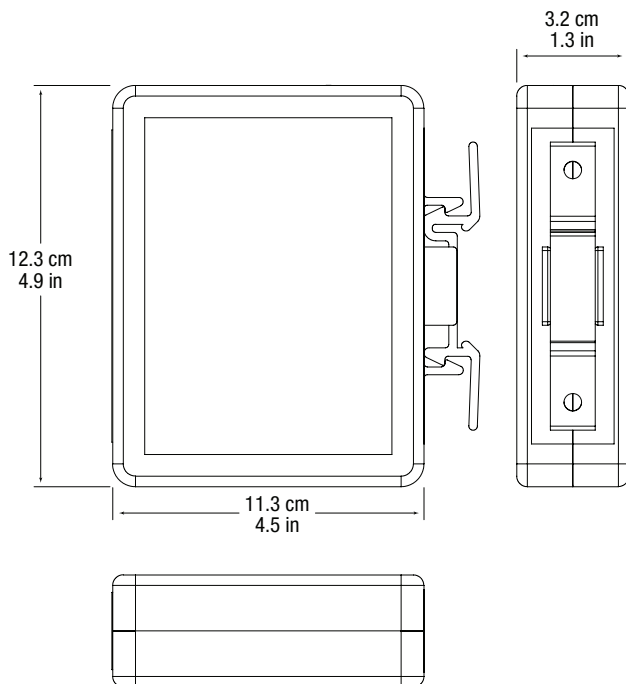
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Model 232OPDRI is our premium Industrial RS-232 Isolated Repeater. Designed for rugged industrial environments, it is UL listed and certified for use in Class 1 Division 2 locations. Powerful optical isolation on both data ports protects your equipment and data from damaging ground loops and surges. Additional isolation on the power supply circuits adds a third degree of protection.

Packaged in a rugged plastic case, the 232OPDRI operates in wide temperature extremes. With a 35mm DIN rail mounting bracket, it is easy to integrate into a control panel or other industrial equipment.

Installation and configuration is easy. Data is connected with a DB9 female connector (DCE) and a DB9 male connector (DTE). Power is connected through a terminal block that accepts 10 to 48 VDC from any external source.



PRODUCT FEATURES

- Supports Data Rates up to 115.2 Kbps
- -40 to 80°C Operating Temperature
- 10 to 48 VDC Input Power Range
- 2000 V 3-Way Optical Isolation
- UL Class 1 Division 2 Listed

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
232OPDRI	Industrial RS-232 Isolated Repeater

SPECIFICATIONS

SERIAL TECHNOLOGY	
Serial Connector	DB9 F (DCE), DB9 M (DTE)
Data Rate	Up to 115.2 Kbps
Isolation	2 KV RMS, 1 minute
POWER	
Source	External
Power Connector	2 Position Removable Terminal Block
Input Voltage	10 to 48 VDC (56 VDC Maximum)
Power Consumption	0.6 W typical
TERMINAL BLOCKS	
Wire Size Accepted	28 to 12 AWG, Copper wire only.
Pitch	5.08 mm
Insulation Resistance	≥500 MΩ @ 500 VDC
Maximum Torque	5 Kg / cm
INDICATORS	
Power	Red LED
TD / RD	Red LED TD, RD, CTS, RTS
MECHANICAL	
Dimensions	12.3 x 11.3 x 3.2 cm (4.9 x 4.5 x 1.3 in)
Enclosure	IP30 Plastic, 35 mm DIN Mount
Weight	0.43 lbs (195 g)
MTBF	177250 Hours
MTBF Calc. Method	Parts Count Reliability Prediction
ENVIRONMENTAL	
Operating Temperature	-40 to 80°C (-40 to 176°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Humidity	0 to 95% Non-condensing
REGULATORY	
Approvals	FCC, CE UL C1 D2, File Number E245458 UL 508, File Number E222870
2004/108/EU	Electromagnetic Compatibility Directive
2011/65/EU	Reduction of Hazardous Substance Directive
EN 55022: +AC (Class B)	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
EN 61000-6-1	Generic Standards of Residential, Commercial and light industrial environments
EN 61000-4-2	ESD Immunity
EN 61000-4-3: +A2	Radiated Immunity
EN 61000-4-4	EFT/Burst Immunity
EN 61000-4-8	Conducted Immunity

ACCESSORIES

MDR-20-24 - DIN rail mount power supply 24VDC, 1.0 A output power

DRPM25 - 35mm DIN Rail to Panel Mount Bracket, 25mm wide

EK-CLIP-MPC - Replacement DIN rail clip for enclosure

All product specifications are subject to change without notice.
232OPDRI_2716ds