

RML100 and RML101

Backplanes/Cardcages

Description

The backplane acts as a concentration point for routing signals for the 14 serial data interface converter channel cards, 2 channels per card. It routes this volume of signals while maintaining 300V isolation between host side and field side circuits and 300V isolation between channels.

The RML100 backplane/card cage contains 9 screw terminals per channel for field connections and one 9-position female D-style connector per channel for RS-232 connections. The RML100 backplane/card cage weighs 7.5 lbs (3.4 kg), not including power supply card(s).

The RML101 backplane/card cage contains one 4 position modular phone jack per channel for field connections and one 9-position female D-style connector per channel for RS-232 connections. The RML101 backplane/card cage weighs 7.2 lbs (3.27 kg), not including power supply card(s).

The card cage mechanically conforms to standard racks as specified in Electronic Industries Association EIA standard RS-310. It also conforms to the VMEbus specification, mechanical specifications. The VMEbus specification conforms to: ANSI/IEEE STD 1014-1987 and IEC821 and 297.

The card cage outline dimensions are shown in figure 3. The 5.25" height dimension is alternately known as 3U. The 1.125" dimension behind the card cage allows room for the right angle power cord connector. This is a minimum depth dimension and depending on the thickness of communications cabling, more space may be required.

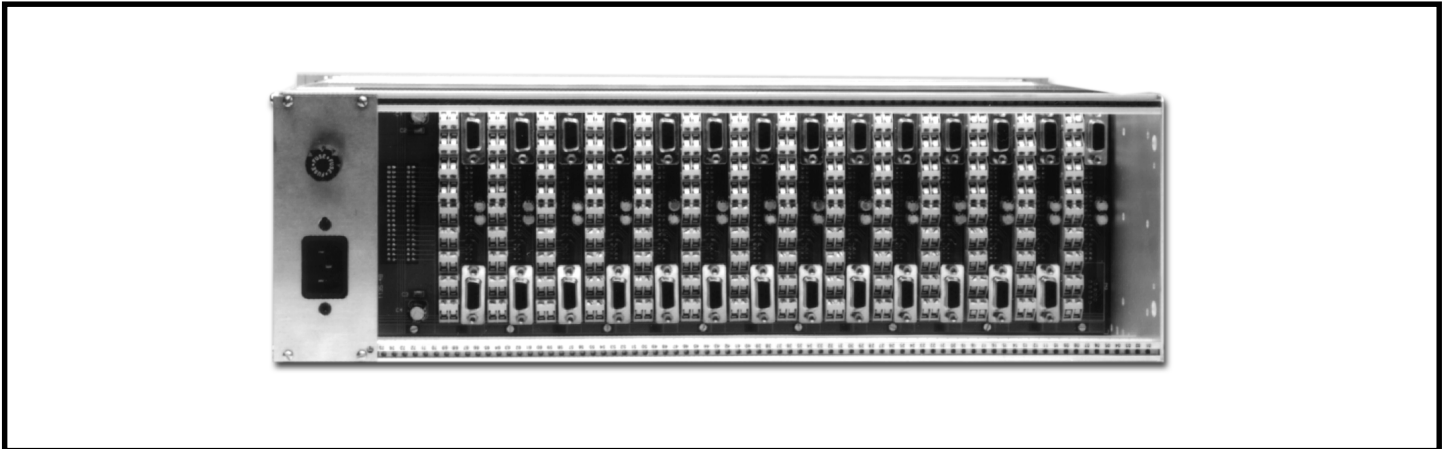


Figure 1: RML100 Card Cage Read View

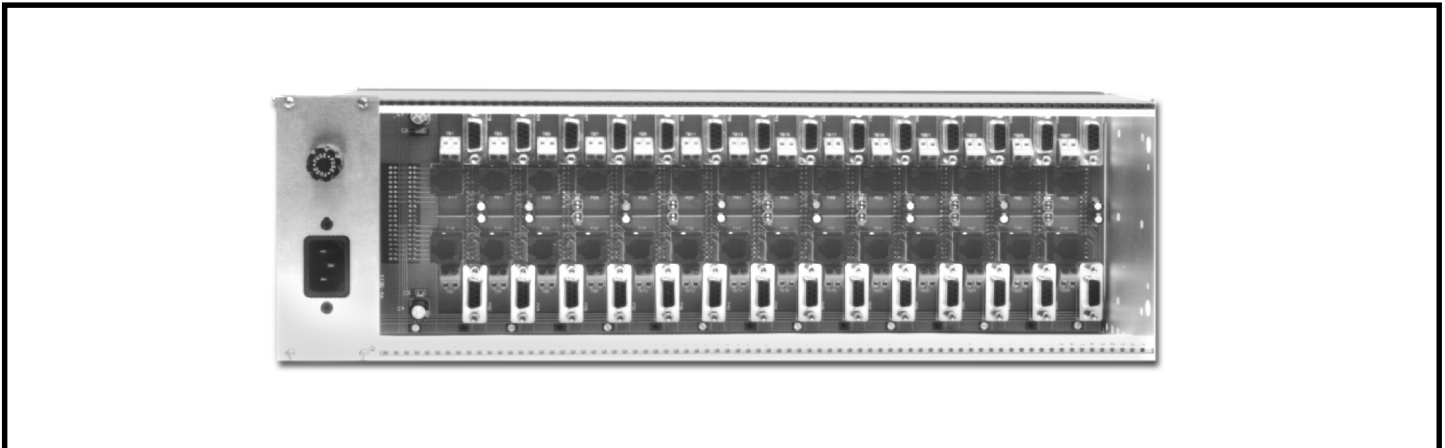


Figure 2: RML101 Card Cage Rear View

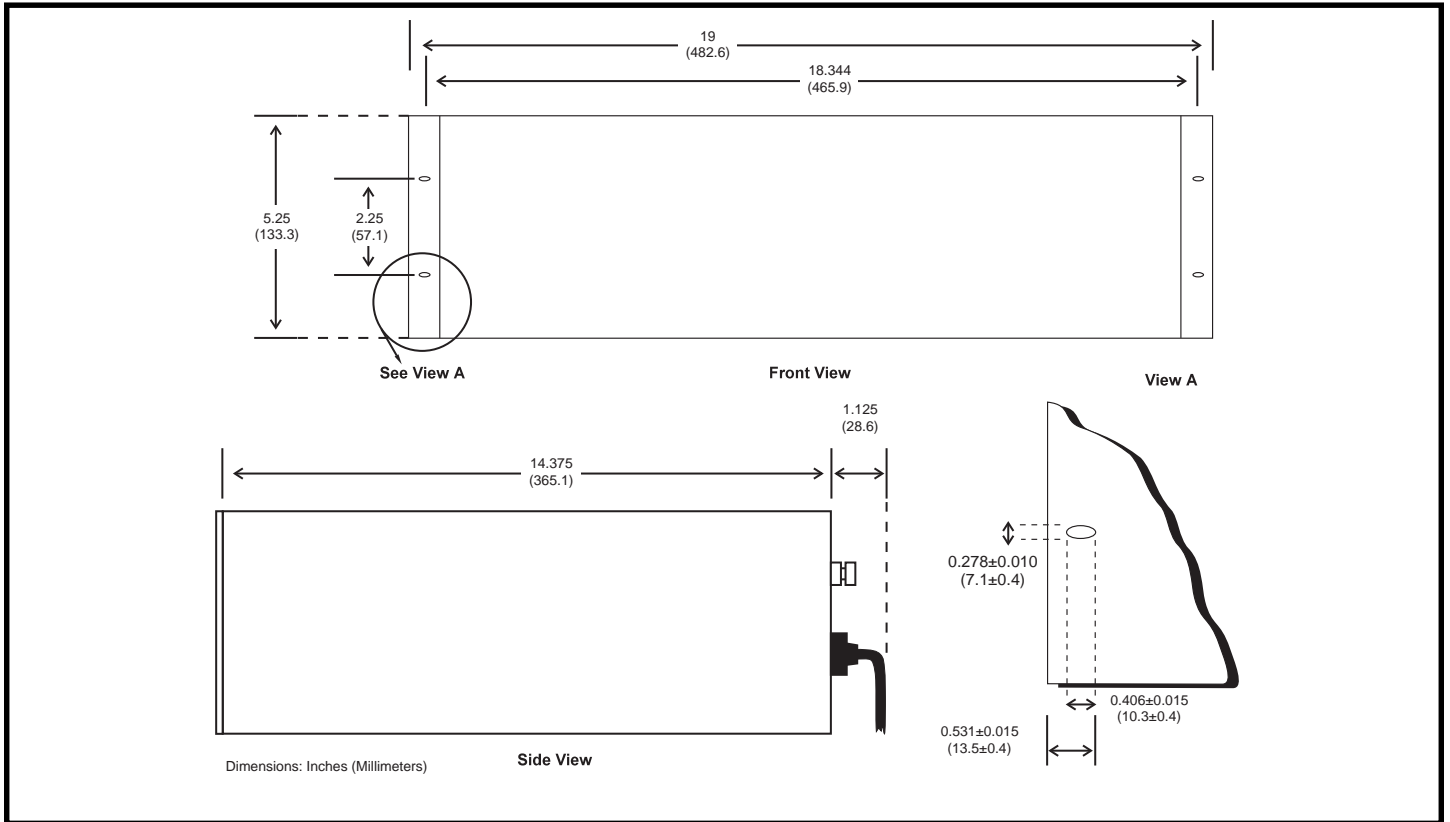


Figure 3: RML100 Dimensions