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XTREMEBD(R) ENHANCED

NOW WITH PARALLEL AND H-BRIDGE OUTPUT CAPABILITIES
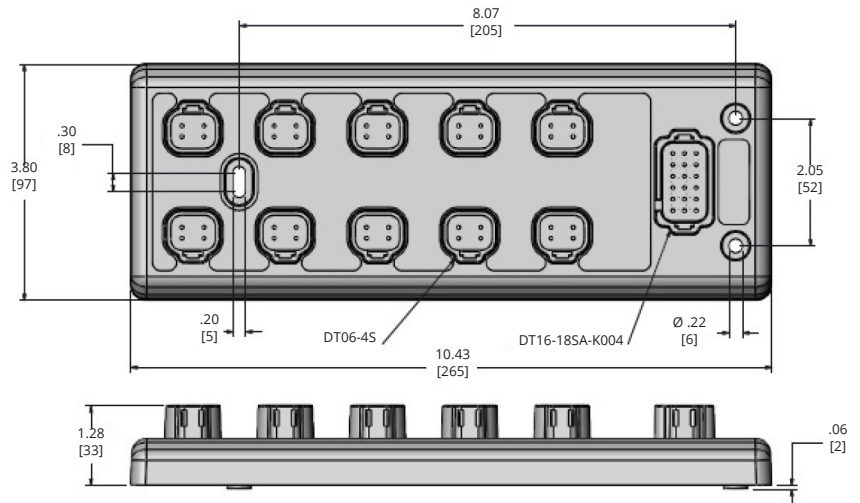
WHAT IS XTREMEDB ENHANCED?

The xtremeDB ENHANCED is a highly robust and flexible distributed I/O solution, designed to meet the demands of both on-highway and off-highway applications building on the solid foundation of the original. The xtremeDB ENHANCED retains the core features that users rely on while introducing key enhancements that elevate system control and flexibility, ensuring it can adapt to even more complex operational requirements.

One of the standout features of the xtremeDB ENHANCED is its ability to set ports to Parallel Mode, allowing users to combine two output channels into one for double the current capacity up to 20A. Additionally, the H-Bridge Mode enables bi-directional control of DC loads, offering greater versatility in how loads are managed and controlled. These improvements make the xtremeDB ENHANCED an indispensable tool for mission-specific machine builders.

AT A GLANCE

- Parallel Mode' for loads up to 20 Amps
- 'H-Bridge Mode' for bi-directional DC loads up to 10 Amps
- Internally Bridged Output Power Feeds: Single power and ground feeds required for every 13A needed.

GENERAL DATA	
Housing	Molded glass filled nylon
Dimensions (l x w x h)	3.80 x 10.43 x 1.34 in (97 x 265 x 34 mm)
Weight	1.5 lbs (0.68 kg)
Installation (mounting hardware not included)	Screw: 3 x #10 (3 x M5) Torque: 21 in-lbs (2.4 Nm) max.
Total Load Current	26A (34044-1) 52A (34044-3, 34044-5)
Max. Output Current Per Channel	Up to 4A (34044-1) Up to 10A (34044-3/5)
Idle Current Draw	<100mA
Operating Current	8...32 V DC protected against reverse polarity.
Communication Interface and Baud Rate	2 non-isolated J1939 ports 250kb (default) & 500kb
Total Inputs and Outputs	8 Inputs + 8 Outputs (34044-1) 16 Inputs (34044-2) 16 Outputs (34044-3/5)
Operating Temperature	-40...80 °C
Diagnostics	Short Circuit and Overcurrent
Protection Class	IP67: Connector seal plugs required for unused pins. Sealing plugs required for unused ports IP68/IP69K: Using Murrelektronik MDC xtreme cables.

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Data Panel Corporation is the mobile controls branch of Murrelektronik Inc., and orders of this product are fulfilled with the close cooperation of both companies. Visit www.murrinc.com to learn more about Murrelektronik.