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ACCESSORIES

BREAK-OUT-BOX (BOB)

VTI offers a series of Break-Out-Boxes (BOB) for use with the EMX-4250 and EMX-4251. There are 8-channel (EMX-4008), 16-channel (EMX-4016 & EMX-4116), and 32-channel (EMX-4032) versions. The BOBs convert the EMX-4250 micro-D Molex input connector into BNC input connectors. The shell of the BNC connectors are floating from chassis ground, hence taking advantage of the pseudo-differential inputs provided by the EMX-425X modules.

Fault LED indicators are also provided on the BOB for each BNC connector. The LEDs are powered and controlled by the EMX-425X digitizer modules. LEDs will be GREEN during normal operation and will turn RED if an OPEN or SHORT is detected by the digitizer module when the input is set to IEPE.

There are two BNC connectors in the rear panel: one for a trigger input and one for a calibration output. The calibration output is used to calibrate the built-in calibration signals used by the EMX-425X module to perform self-calibration. The trigger input is used for trigger the digitizer by an external signal.



Figure 4-28: EMX-4016 & EMX-4008 Break-Out-Box

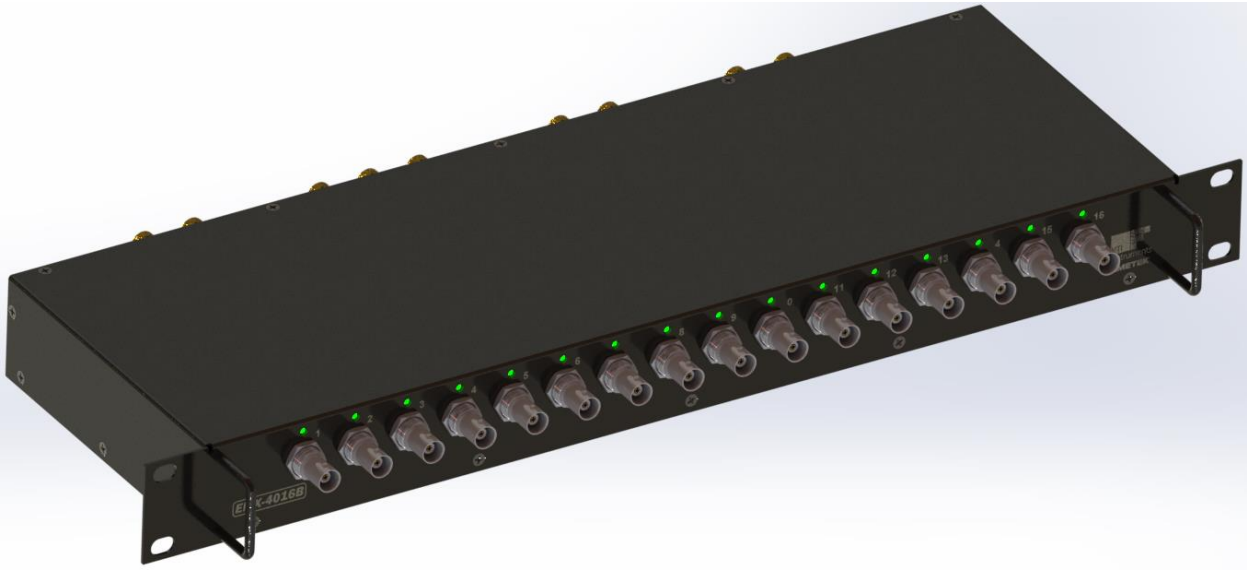


Figure 4-429: EMX-4016B Break-Out-Box



Figure 4-30: EMX-4016M Break-Out-Box

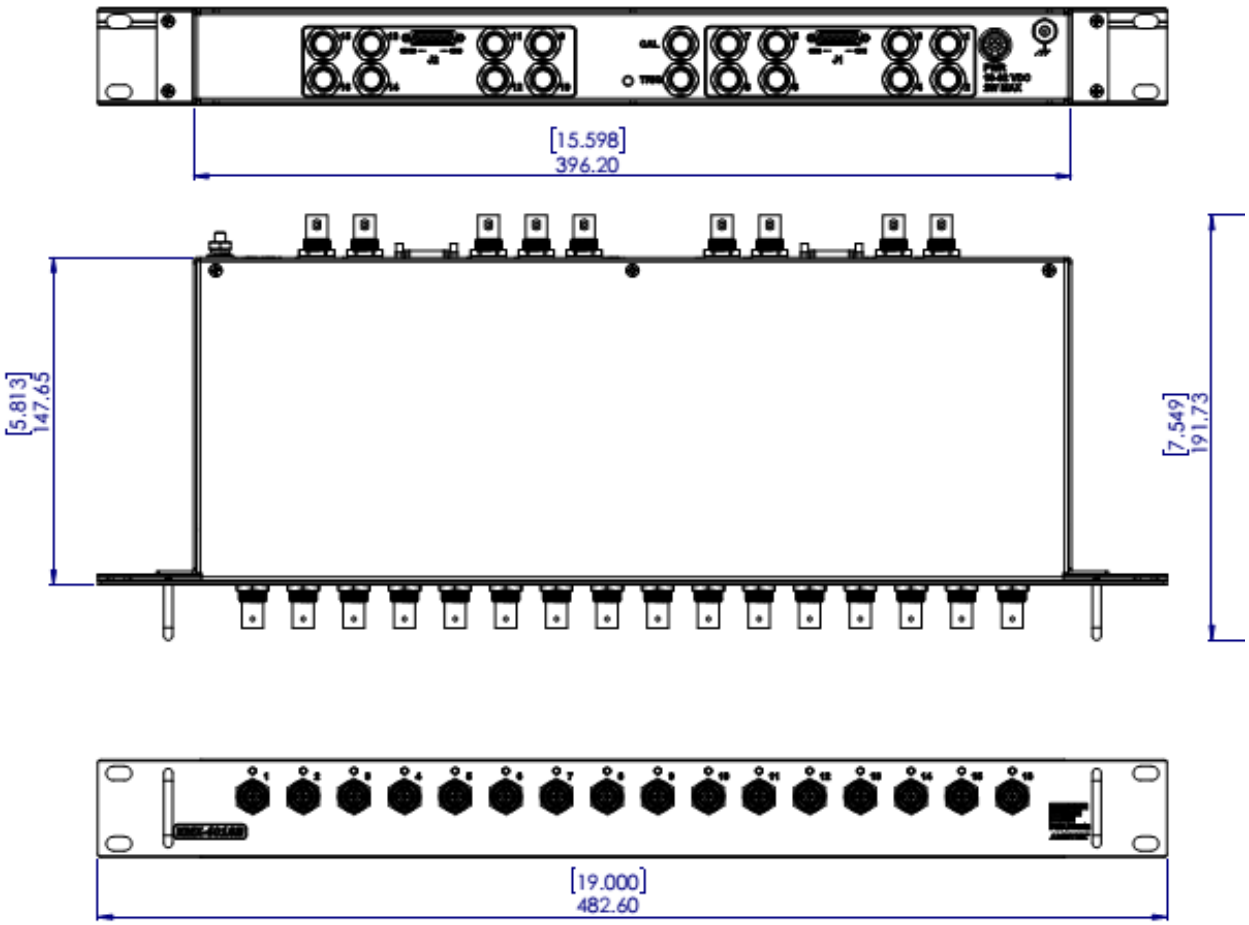
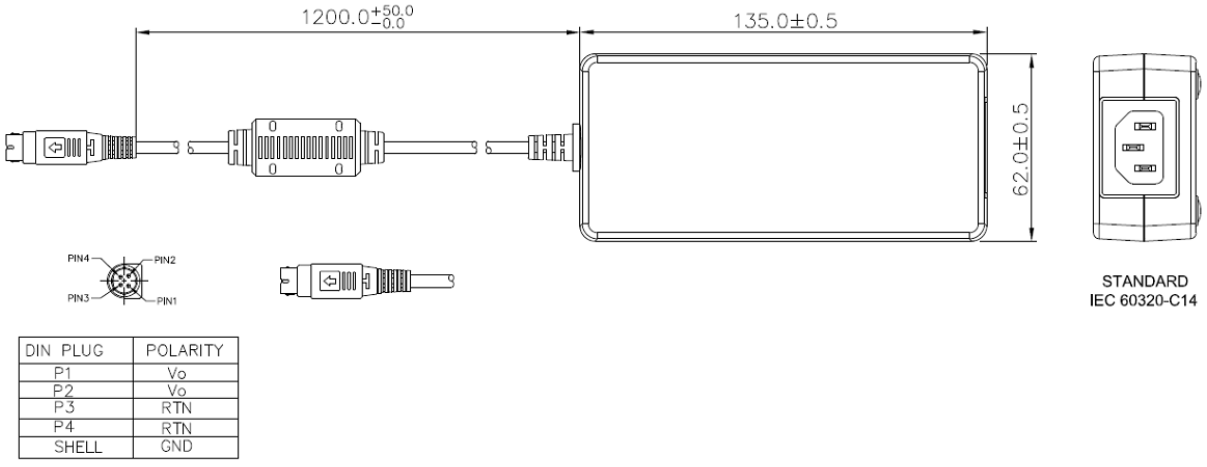


Figure 4-31: EMX4016B Outline Drawing



DIN PLUG	POLARITY
P1	Vo
P2	Vo
P3	RTN
P4	RTN
SHELL	GND

Notes

— Dimensions are in mm

Figure 4-32:Drawing Represent

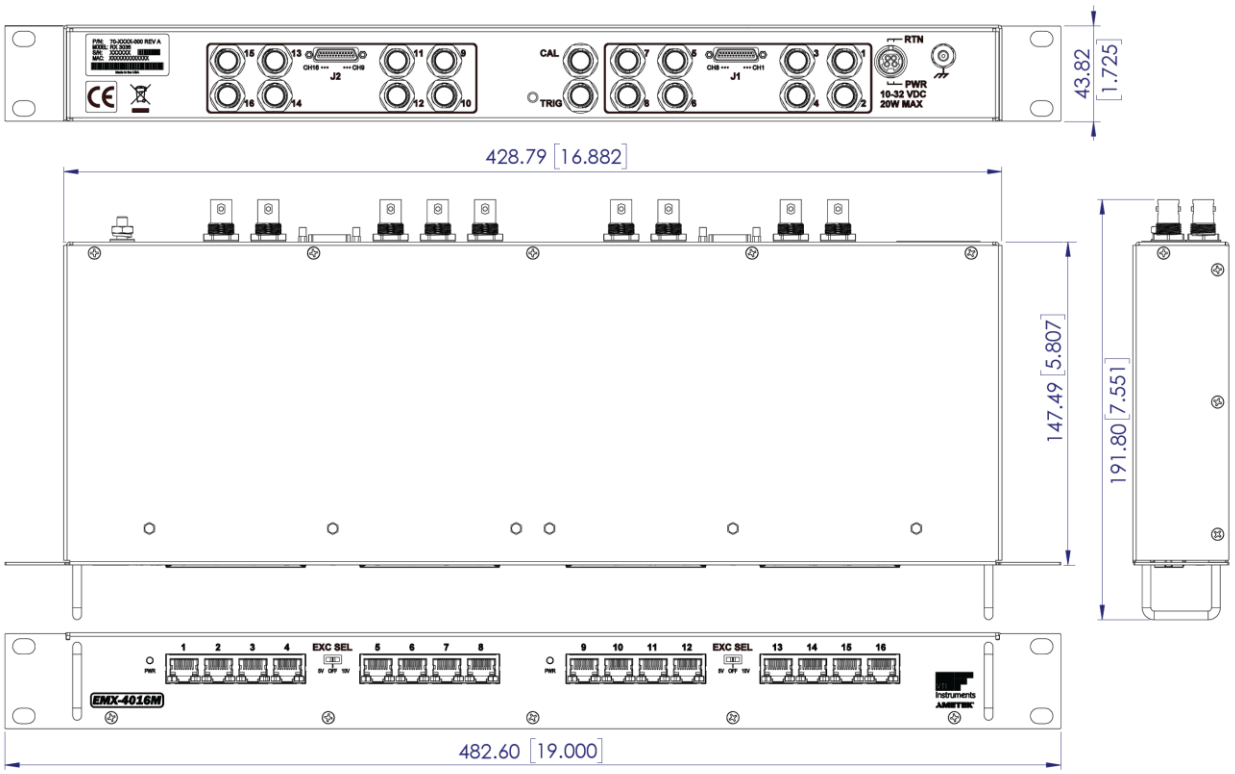


Figure 4-33: EMX4016M Outline Drawing

ORDERING INFORMATION

Model No.	Description	P/N
EMX-4250	Digitizer, 24-bit, 16Ch, 204.8 kSa/s IEPE/Volts	70-0409-004
EMX-4251	Digitizer, 24-bit, 8Ch, 204.8 kSa/s IEPE/Volts	70-0409-012
EMX-4350	Digitizer, 24-bit, 4Ch, 625.0 kSa/s IEPE/Volts	70-0409-004
EMX-4380	Digitizer, 24-bit, 4Ch, 625.0 kSa/s IEPE/Volts/Charge	70-0409-011
EMX-4016	Break-Out-Box (BOB), 16Ch, for EMX-4250/4251, 1U 19” Rack mount	70-0409-015
EMX-4016B	Break-Out-Box (BOB), 16Ch, w Buffer output ,for EMX-4250/4251, 1U 19” Rack mount	70-0409-215
EMX-4016M	Break-Out-Box (BOB), 16Ch, Bridge SC, w Buffer Out, for EMX-4250/4251, 1U 19” Rack mount	70-0409-315
EMX-4032	Break-Out-Box (BOB), 32Ch, for EMX-4250/4251, 1U 19” Rack mount	70-0409-016
EMX-4008	Break-Out-Box (BOB), 8Ch, for EMX-4250/4251, Table Top	70-0409-010
	Break-Out-Cable (BOC) Micro-D to 8Ch BNC, for EMX-4250/4251	53-0515-020
	Cable Assy. Micro-D to Micro-D for EMX-4250/4251 to BOB	53-0515-020
	Adapter 10-32 Female Microdot to BNC Male	27-0577-000
	Plug, 25-pin Female Micro-D, ITT Cannon MDSM-25SC-Z11-VS1	27-0295-025
EMX-4008V	8CH BOB Plugin with Fault LED	70-0409-018
BMX01	CHASSIS 1X BOB EMX-4008V	70-0409-019
BMX04	CHASSIS 4X BOB EMX-4008V	70-0409-020
BMX08	CHASSIS 8X BOB EMX-4008V	70-0409-021
EMX-4008	CHASSIS 8CH BREAK-OUT BOX, 1U	70-0409-010

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