

X3T9.2/91-197

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EIA/TIA TR30.2.1 Chair

Regarding: Comparison of Electrical Characteristic Standards:
EIA/TIA-485.1983 & ISO 8482.1987

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The following chart lists the major conceptual differences between the EIA/TIA-485.1983 and ISO 8482.1987 Standards. Consult the actual documents for exact limits and test conditions.

PARAMETER	EIA/TIA-485 1983	ISO 8482 1987
Maximum Data Rate	10Mbit/s	1Mbit/s
Maximum Cable Length	1,200m	500m
Branch Cable Length (Stub)	N/A	5m
Maximum Common Mode Range	-7V to +12V	-10V to +15V
Driver Imbalance Voltage (Ve)	N/A	0.4V
Driver Terminated Output Voltage Resistors	375Ω	270Ω
Driver Short Circuit Test Voltages	-7V to +12V	-10V to +15V
Receiver Threshold Specification	±200mV	±300mV