

1. Record Nr.	UNISA996577836803316
Titolo	IEC/IEEE international standard . Part 1 : higher performance protocol for the standard digital interface for programmable instrumentation : General // Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	New York, New York : , : IEEE, , 2004
ISBN	0-7381-4536-X
Descrizione fisica	1 online resource
Disciplina	629.8
Soggetti	Digital control systems Digital electronics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Supersedes IEEE Std 488.1-2003. This standard applies to interface systems used to interconnect both programmable and nonprogrammable electronic measuring apparatus with other apparatus and accessories necessary to assemble instrumentation systems. It applies to the interface of instrumentation systems, or portions of them, in which the a. Data exchanged among the interconnected apparatus is digital (as distinct from analog) b. Number of devices that may be interconnected by one contiguous bus does not exceed 15 c. Total transmission path lengths over the interconnecting cables does not exceed 20 m d. Data rate among devices does not exceed 8 000 000 B/s The basic functional specifications of this standard may be used in digital interface applications that require longer distances, more devices, increased noise immunity, or combinations of these. Different electrical and mechanical specifications may be required (for example, symmetrical circuit configurations, high threshold logic, special connectors, or cable configurations) for these extended applications.