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ITU-T G.984.1 (03/2008)

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Gigabit-capable passive optical networks (GPON): General characteristics

Recommendation ITU-T G.984.1 describes a flexible optical fibre access network capable of supporting the bandwidth requirements of business and residential services and covers systems with nominal line rates of 2.4 Gbit/s in the downstream direction and 1.2 Gbit/s and 2.4 Gbit/s in the upstream direction. Both symmetrical and asymmetrical (upstream/downstream) gigabit-capable passive optical network (GPON) systems are described. This Recommendation proposes the general characteristics for GPON based on operators' service requirements.

Citation:

<https://handle.itu.int/11.1002/1000/9379>

Series title:

G series: Transmission systems and media, digital systems and networks
G.900-G.999: Digital sections and digital line system
G.980-G.989: Optical line systems for local and access networks

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Further details:

[Patent statement\(s\)](#)
[Development history](#)

[Editions](#) [Related Supplement\(s\)](#) [Related technical papers and reports](#)

Ed.	ITU-T Recommendation	Status	Summary	Table of Contents	Download
2.2	G.984.1 (2008) Amd. 2 (04/2012)	In force	here	here	here
2.1	G.984.1 (2008) Amd. 1 (10/2009)	In force	-	-	here
2	G.984.1 (03/2008)	In force	here	here	here
1	G.984.1 (03/2003)	Superseded	here	here	here

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