

PROFIBUS COMPETENCY CENTRE, AUSTRALIA TECHNICAL SERIES		
DATE: Feb, 09	ORIGINATOR: GRANT WEYMAN	DOCUMENT REF: 09/003
SUBJECT: TOPOLOGY		

Up to 126 devices can be connected together in one PROFIBUS network. However the limitations of RS485 and MBP mean a maximum of 32 devices on any one *segment*. Segments are formed by using *repeaters*, *couplers* or *fibre optic links*:-



Repeaters



Couplers



Fibre-optic links

Fig. 1 Examples of DP devices

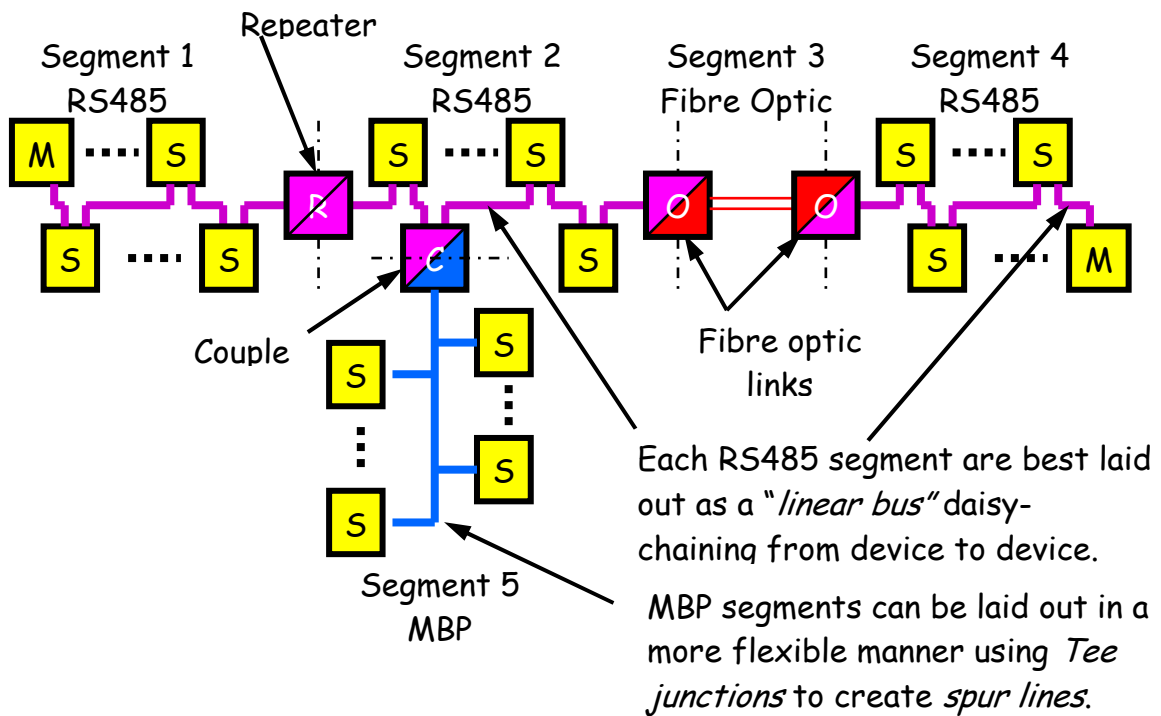


Fig. 2 Example of Profibus Topology¹

References:

iCPIC Presentation L02 Verwer Training & Consultancy Ltd.
The New and Rapid Way to PROFIBUS DP, Manfred Popp

<http://www.profibuscetre.com.au>

<http://www.profibus.com/>