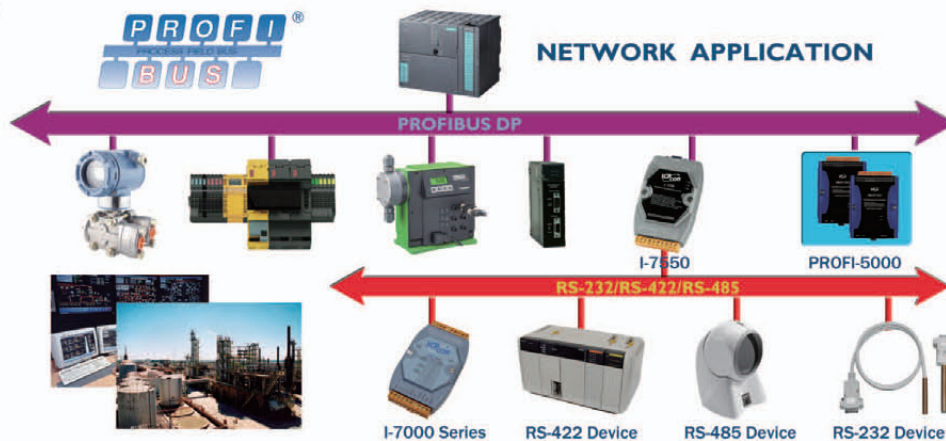


6. PROFIBUS Introduction & Products

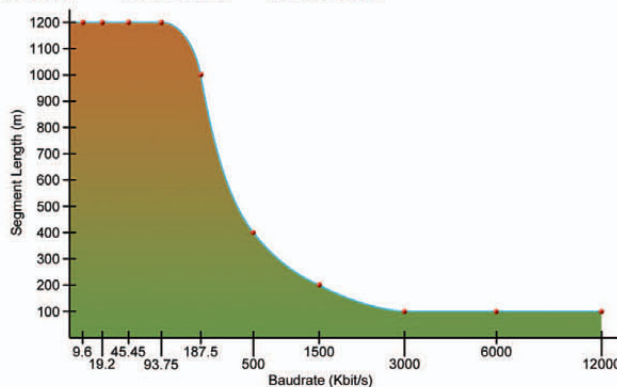
PROFIBUS (PROCESS FIELD BUS) which is anchored in the international standards IEC 61158 and IEC 61784, is an open, digital communication system with a wide range of applications, particularly in the fields of factory and process automation. It is suitable for both fast, time-critical applications and complex communication tasks. ICP DAS provides a lot PROFIBUS DP products and help the user develop PROFIBUS application system easily. We have been developing and studying PROFIBUS DP for years. ICP DAS will always secure user's industrial safety and stable automation system as our mission. These fieldbus solutions also support multi-drop networking of devices on a single twisted-pair cable providing substantial cost savings in:

- Reduced wiring
- Commissioning and installation
- Plant operations and improved quality
- Maintenance



PROFIBUS Features

- ✓ Baud rate up to 12 Mbit/s
- ✓ Maximum 244 bytes input and 244 bytes output per slave
- ✓ Slave configuration and parameters are set from the master side by GSD file
- ✓ Allow multi-master system
- ✓ Fast cyclic data communication between master and slave
- ✓ 124 slaves can be put in data exchange
- ✓ 32 stations on one segment



Selection Guide

Model Name	Description	Page
PROFIBUS Converter		
I-7550	PROFIBUS to RS-232/485/422 Converter	6-2
PROFIBUS Gateway		
GW-7552	PROFIBUS/Modbus RTU Gateway	6-2
GW-7553	PROFIBUS/Modbus TCP Gateway	
PROFIBUS Remote I/O Module		
PROFI-5045	PROFIBUS 24-channel Isolated DO Module	6-3
PROFI-5050	PROFIBUS 16-channel Non-Isolated DI and 8-channel Non-Isolated DO Module	
PROFI-5051	PROFIBUS 24-channel Isolated DI Module	
PROFI-5052	PROFIBUS 12-channel Isolated DI Module	
PROFI-5053	PROFIBUS 24-channels Dry Contact Non-Isolated DI Module	6-4
PROFI-5055	PROFIBUS 8-channel Isolated DI and 8-channel Isolated DO Module	
PROFI-5060	PROFIBUS 8-channel Isolated DI and 4-channel Relay Output Module	
PROFI-5017	PROFIBUS 8-channel Isolated Analog Voltage Input Module	6-5
PROFI-5017C	8 Isolated Analog Current Input Module	
PROFI-5024	4 Isolated Analog Voltage & Current Output Module	
PROFIBUS Remote I/O Unit		
PROFI-8155	1 Slot General Purpose PROFIBUS Slave I/O Unit	6-5
PROFI-8255	2 Slot General Purpose PROFIBUS Slave I/O Unit	
PROFI-8455	4 Slot General Purpose PROFIBUS Slave I/O Unit	6-6
PROFI-8855	8 Slot General Purpose PROFIBUS Slave I/O Unit	
Accessories		
CNT-PROFI	PROFIBUS Connector	6-6

