

Properties	Standard (ST) for DP	Basic (BA) for PN	Standard (ST) for PN	High Feature (HF) for PN
Application	for standard requirements	for basic requirements	for standard requirements	Advanced functions for additional requirements
Modules per rack	max. 12 modules	max. 12 modules	max. 30 modules	max. 30 modules
Address area	max 244 bytes per station and 128 bytes per module (inputs and outputs)	max 64 bytes per station and 64 bytes per module (inputs and outputs)	max 512 bytes per station and 256 bytes per module (inputs and outputs)	max 512 bytes per station and 256 bytes per module (inputs and outputs)
Configuration control without empty spaces (option handling)	No	No	Yes	Yes
Clock-synchronized mode	PROFIBUS: No	PROFINET: No	PROFINET: clock-synchronized from 250µs	PROFINET: clock-synchronized from 250µs
I&M data (Identification & Maintenance)	Yes: I&M0 to I&M3	Yes: I&M0 to I&M3	Yes: I&M0 to I&M3	Yes: I&M0 to I&M3
Media redundancy	No	MRP	MRP	MRP, MRPD
Shared device	No	Shared device up to 2 IO controllers	Shared device up to 2 IO controllers	Shared device up to 4 IO controllers
Module-internal Shared Input/Output (MSI/MSO)	No	Yes	Yes	Yes
System redundancy on S7-400H	No	No	No	Yes (can be configured with STEP 7 V5.5 SP3)
System redundancy S2	No	No	No	Yes

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