

SAS3 Expander Table

Part Number	Generation	Storage Enclosure Processor (SEP)	Internal Memory	SAS Ports	Wide Port Support	Port Mirroring	Route Table Entries	External Memory Interfaces	Security Features	GPIO	Package
SAS3x36 SAS Expander	12 Gb/s	ARM Cortex-R4 @ 300MHz	2MB SRAM	36	Yes	Yes (Broadcom IP)	2048	8-bit and 16-bit Flash, w/ 6 Chip Selects SRAM, NVSRAM	TRNG/Hash & HMAC Generator/Secret Root Key	16	28nm, FPB4NGS, 29mmx29mm
SAS3x24R SAS Expander	12 Gb/s	ARM Cortex-R4 @ 300MHz	2MB SRAM	24	Yes	Yes	2048	8-bit and 16-bit Flash, w/ 6 Chip Selects SRAM, NVSRAM	TRNG/Hash & HMAC Generator/Secret Root Key	16	28nm, FPB4NGS, 27mmx27mm
SAS3x48 SAS Expander	12 Gb/s	ARM Cortex-R4 @ 300MHz	2MB SRAM	48	Yes	Yes (Broadcom IP)	2048	8-bit and 16-bit Flash, w/ 6 Chip Selects SRAM, NVSRAM	TRNG/Hash & HMAC Generator/Secret Root Key	16	28nm, FPB4NGS, 29mmx29mm
SAS3x28R SAS Expander	12 Gb/s	ARM Cortex-R4 @ 300MHz	2MB SRAM	28	Yes	Yes (Broadcom IP)	2048	8-bit and 16-bit Flash, w/ 6 Chip Selects SRAM, NVSRAM	TRNG/Hash & HMAC Generator/Secret Root Key	16	28nm, FPB4NGS, 27mmx27mm
SAS3x40 SAS Expander	12 Gb/s	ARM Cortex-R4 @ 300MHz	2MB SRAM	40	Yes	Yes (Broadcom IP)	2048	8-bit and 16-bit Flash, w/ 6 Chip Selects SRAM, NVSRAM	TRNG/Hash & HMAC Generator/Secret Root Key	16	28nm, FPB4NGS, 29mmx29mm
SAS3x36R SAS Expander	12 Gb/s	ARM Cortex-R4 @ 300MHz	2MB SRAM	36	Yes	Yes (Broadcom IP)	2048	8-bit and 16-bit Flash, w/ 6 Chip Selects SRAM, NVSRAM	TRNG/Hash & HMAC Generator/Secret Root Key	16	28nm, FPB4NGS, 27mmx27mm
SAS3x48 SAS Expander	12 Gb/s	ARM Cortex-R4 @ 300MHz	2MB SRAM	48	Yes	Yes (Broadcom IP)	2048	8-bit and 16-bit Flash, w/ 6 Chip Selects SRAM, NVSRAM	TRNG/Hash & HMAC Generator/Secret Root Key	16	33x33 mm
SAS3x40 SAS Expander	12 Gb/s	ARM Cortex-R4 @ 300MHz	2MB SRAM	40	Yes	Yes (Broadcom IP)	2048	8-bit and 16-bit Flash, w/ 6 Chip Selects SRAM, NVSRAM	TRNG/Hash & HMAC Generator/Secret Root Key	16	33x33 mm
SAS3x36 SAS Expander	12 Gb/s	ARM Cortex-R4 @ 300MHz	2MB SRAM	36	Yes	Yes (Broadcom IP)	2048	8-bit and 16-bit Flash, w/ 6 Chip Selects SRAM, NVSRAM	TRNG/Hash & HMAC Generator/Secret Root Key	16	33x33 mm
SAS3x36R SAS Expander	12 Gb/s	ARM Cortex-R4 @ 300MHz	2MB SRAM	36	Yes	Yes (Broadcom IP)	2048	8-bit and 16-bit Flash, w/ 6 Chip Selects SRAM, NVSRAM	TRNG/Hash & HMAC Generator/Secret Root Key	16	27x27 mm
SAS3x28R SAS Expander	12 Gb/s	ARM Cortex-R4 @ 300MHz	2MB SRAM	28	Yes	Yes (Broadcom IP)	2048	8-bit and 16-bit Flash, w/ 6 Chip Selects SRAM, NVSRAM	TRNG/Hash & HMAC Generator/Secret Root Key	16	27x27 mm
SAS3x24R SAS Expander	12 Gb/s	ARM Cortex-R4 @ 300MHz	2MB SRAM	24	Yes	Yes	2048	8-bit and 16-bit Flash, w/ 6 Chip Selects SRAM, NVSRAM	TRNG/Hash & HMAC Generator/Secret Root Key	16	27x27 mm