Supported Backplane & VSES Counts starting with Phase 12 IT FW

HBA Ports 8i:0, 16i:0/1 → HBA Ports 8i:1, 16i:2/3 ↓	Direct Attached SAS Cable (BP SGPIO)	Direct Attached PCIe Cable (BP I2C)	SGPIO	Unmanaged Switch	Intel VPP	OEM I2C BP (Huawei / SMC/ Lenovo)	UBM
None	1	1	1	$1^{(2)}$	1	1	2
Direct Attached SAS Cable (BP SGPIO)	1	1	1	$1^{(2)}$	Not Supported	Not Supported	2 Lenovo SAS Tape Only
Direct Attached PCIe Cable (BP I2C)	1	1	1	$1^{(2)}$	Not Supported	Not Supported	Not Supported
SGPIO	1	1	1	$1^{(2)}$	1	1	2 Channel
Unmanaged Switch	$1^{(2)}$	$1^{(2)}$	$1^{(2)}$	$1^{(2)}$	Not Supported	Not Supported	$2^{(1)(2)}$ Not supported Atlas forward
Intel VPP	Not Supported	Not Supported	1	Not Supported	1	Not Supported	Not Supported
OEM I2C BP (Huawei / SMC / Lenovo)	Not Supported	Not Supported	1	Not Supported	Not Supported	1 (no OEM mixing)	Not Supported
UBM	2 Lenovo SAS Tape Only	Not Supported	2 Channel	$2^{(1)(2)}$ Not supported Atlas forward	Not Supported	Not Supported	$2^{(1)}$ All OEM's to date

[1] UBM VSES configuration is determined by the UBM BP Type (Default). Same UBM BP type = Single VSES. Unique UBM BP type = Multiple-VSES. The UBM BP Type is programmed in the BP's PSOC code.

[2] Default Mfg Page 46 Multi-VSES bit 4 is required to be cleared to present one VSES for all unmanaged switches attached.

- No VSES created for DA-I2C SEP config.

Existing Support

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