

Example: Handling Oversubscription on 10-ort 10-Gigabit Oversubscribed Ethernet PIC

Table 1 lists the scenarios of handling oversubscription on the 10-port 10-Gigabit Oversubscribed Ethernet (OSE) PIC for different combinations of port groups and active ports on the PIC.

Table 1: Handling Oversubscription on 10-ort 10-Gigabit OSE PICs

Number of Port Groups with Two Active Ports (A)	Number of Port Groups with One Active Port (B)	Total Number of Ports Used on PIC ($C = Ax2 + B$)	Status of Oversubscription and Throughput
0	1	1	Oversubscription is not active. Each port will receive 10 Gbps throughput.
0	2	2	Oversubscription is not active. Each port will receive 10 Gbps throughput.
0	5	5	Oversubscription is not active. Each port will receive 10 Gbps throughput.
1	0	2	Oversubscription is active. Each port will receive 5 Gbps throughput (with default shaper configuration).
1	4	6	Oversubscription is active for the port group that has two active ports. Each port in this port group will receive 5 Gbps throughput (with default shaper configuration). For the remaining four ports, oversubscription is not active. Each port will receive 10 Gbps throughput.
3	0	6	Oversubscription is active. Each port will receive 5 Gbps throughput (with default shaper configuration).
5	0	10	Oversubscription is active on all ten ports (five port groups). Each port will receive 5 Gbps throughput (with default shaper configuration).

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