



Intel Directed IO

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The following table lists the Intel directed IO BIOS settings that you can configure through a BIOS policy or the default BIOS settings:

| Name | Description | Supported Attributes | | | |
|--|---|------------------------|--|---|--------------|
| | | Versions | Platforms | Values | Dependencies |
| Intel VT for directed IO | Whether the processor uses Intel Virtualization Technology for Directed I/O (VT-d). | 4.1(1), 5.0(1), 5.0(2) | B200 M5, B480 M5, C220 M5, C240 M5, C480 M5, B200 M6, C220 M6, C240 M6, X210c M6, C220 M7, C240 M7, X210c M7, X410c M7 | Enabled , Disabled <ul style="list-style-type: none"> • Disabled—The processor does not use virtualization technology. • Enabled—The processor uses virtualization technology. | |
| Intel(R) VT-d Coherency Support | Whether the processor supports Intel VT-d Coherency. | 4.1(1), 5.0(1), 5.0(2) | B200 M5, B480 M5, C220 M5, C240 M5, C480 M5, B200 M6, C220 M6, C240 M6, X210c M6, C220 M7, C240 M7, X210c M7, X410c M7 | Enabled , Disabled <ul style="list-style-type: none"> • Disabled—The processor does not support coherency. • Enabled—The processor uses VT-d Coherency as required. | |

| Name | Description | Supported Attributes | | | |
|--|---|----------------------|---|--|--------------|
| | | Versions | Platforms | Values | Dependencies |
| Intel(R) VT-d Interrupt Remapping | Whether the processor supports Intel VT-d Interrupt Remapping. | 4.1(1) | B200 M5, B480 M5, C220 M5, C240 M5, C480 M5 | Enabled , Disabled <ul style="list-style-type: none"> • Disabled—The processor does not support remapping. • Enabled—The processor uses VT-d Interrupt Remapping as required. | |
| Intel(R) VT-d PassThrough DMA Support | Whether the processor supports Intel VT-d Pass-through DMA. | 4.1(1) | B200 M5, B480 M5, C220 M5, C240 M5, C480 M5 | Enabled , Disabled <ul style="list-style-type: none"> • Disabled—The processor does not support passthrough DMA. • Enabled—The processor uses VT-d Pass-through DMA as required. | |
| Intel VTD ATS Support | Whether the processor supports Intel VT-d Address Translation Services (ATS). | 4.1(1) | B200 M5, B480 M5, C220 M5, C240 M5, C480 M5 | Disabled , Enabled <ul style="list-style-type: none"> • Disabled—The processor does not support ATS. • Enabled—The processor uses VT-d ATS as required. | |