???????????????????????????? ?.???????? PC / Server ????????? CPU ? North Bridge(??) ?????????????,????? ?????? PC / Server ?????????????????,??????????!

????? CPU ?? Intel? AMD ????????? CPU , Intel ?? **VT(Virtualization Technology)** ?? **AMD ? V Pacifica**. ?? Intel ????? CPU ????????, VT-x ???? IA-32 ? EM64T ?? Intel 64 ??? VT-i ???? Itanium ???,?? CPU ??????????? ??????

??????????????? Intel® Virtualization Technology(VT-x) ?? AMD input/output memory management unit (IOMMU) ?????????????????????????????.??????.

?? Intel ??? Intel® Virtualization Technology for Directed I/O ???????
Intel® 3210 Chipset
Intel® 3200 Chipset
Intel® 5400 Chipset
Intel® 5520 Chipset
Intel® 5500 Chipset

http://compare.intel.com/PCC/intro.aspx

?? AMD ? Intel ??????????. ? AMD ???????????? input/output memory management unit ??? "IOMMU" ? Intel ??????? "Intel's Virtualization Technology for Directed I/O" ???(VT-d).??? Intel ??? AMD ???????????? ???? .

????????????????????????????????? AMD(IOMMU) / Intel (VT-d) ????.

???????? AMD(IOMMU) / Intel (VT-d) ??????? Guest virtual machines ????????????????? ethernet ????????????? ?,??????? DMA ? interrupt remapping.