

ABSTRACT OF THE DISCLOSURE

A method and system for maximizing bandwidth of a Peripheral Component Interconnect Express (PCIe) Peer-to-Peer (P2P) connection determine a maximum bandwidth and a maximum read request size of a first device, determining a maximum bandwidth and a minimum payload size of a second device, calculate a calculated maximum payload size of the second device by using the maximum read request size of the first device and a bandwidth ratio between the first device and the second device, compare the minimum payload size of the second device with the calculated maximum payload size, and set an operational payload size of the second device to the calculated maximum payload size when the calculated maximum payload size is equal to or greater than the minimum payload size.

FIG. 8A