

ABSTRACT OF THE DISCLOSURE

SYSTEM AND METHOD FOR INFORMATION HANDLING SYSTEM PCI EXPRESS ADVANCED SWITCHING

Plural processing subsystems of an information handling system, such as
5 plural blades of a blade server, communicate through a base protocol, such as PCI
Express, to a peripheral communication device with each processing subsystem
interfaced through a port of the peripheral communication device. An encapsulation
module of the peripheral communication device encapsulates the base protocol in an
advanced switching packet, such as a packet formed with the PCI Express Advanced
10 Switching protocol. A routing module of the peripheral communication device routes
the packets through a bus, such as a blade server backplane bus, for use of the
information by a selected peripheral. Peripherals communicate with selected
processing subsystems by sending advanced switching packets to the routing module
for the encapsulation module to extract the peripheral information from the packets
15 and send the peripheral information to the port associated with the selected processing
subsystem.

Figure 1

