PATENTS

Patent #	Patent Title	Description (Primary Claims)
7,924,863	Device & Method for Processing Data Chunks	Methods and devices for managing data chunks, especially in multi-port aggregation devices, which dramatically decrease the logic needed for multiple port Ethernet/IP aggregation implementation in FPGA or ASIC. Also applies to the support of any other multiple port design including ATM, PPP, or TDM.
7,822,051 8,223,788	Method & System for Transmitting Packets Method and System for Queuing Descriptors	Mechanism that enables deterministic, zero latency multicast technology of unlimited duplications, with the ability to maintain Quality of Service (QoS) between unicast and multicast packets, together with the ability to assign a different packet encapsulation/header per duplication. Also applies to the decrease of the internal chip memory by the use of external DDR memory that holds pointer and descriptor information, while maintaining wire speed duplication and zero latency.
7,620,770	Device & Method for Storing and Processing Data Units	Zero-copy mechanism for storing an ingress data unit at the DDR memory unit for the purposes of packet re-ordering and traffic management, then retrieving a fetched data unit from the DDR memory for data unit processing, wherein the fetched data unit comprises at least a portion of the ingress data unit, all at wire speed and with single read and write to/from external DDR memory.
8,345,685	Method and Device for Processing Data Packets	Methods and devices performing advanced search mechanism to process data packets and perform various searches on a data packet, especially for forwarding data packets by Layer Two switches, using low-cost DDR instead of expensive TCAM.
2015/0163691	Method and System for Distribution of High Data Throughput Over Multiple Wireless Connections	Method that enables distribution of high capacity data payload over multiple lower speed links. The fragment can run over standard routers located in the network up to the far end destination without a need for any gateway devices between the two end points – applicable for SD-WAN that performs load balancing between low speed links over the internet or wireless distribution.