Does the DBL software contain a generic Ethernet Driver?

Model:

Arc Series E Adapter

Software:

DBL

Operating System:

Supported Windows and Linux releases as highlighted in the User Guide.

Information:

DBL software contains a generic Ethernet driver for "Ethernet Mode" and a low latency drive for "DBL mode" – the network adapter can be placed in either mode.

Until a user requests that the adapter be placed in DBL mode, it can be used in Ethernet mode and can be manipulated like a regular 10G adapter does.

Ethernet mode is provided for convenience and familiarity with existing OS tools and interfaces and does not provide the level of performance that can be achieved when using the standard 10GbE driver, **Myri10GE.**

> Once in DBL mode, all packets received are directed to one DBL user instead of the Ethernet Driver. All performance claims and usage expectations for DBL assume that the network adapter operates in DBL mode.

The Myri10GE driver has these features that the Sniffer10G/DBL/MVA Ethernet driver does not:
- TSO
- DCA
- GRO
- LRO support for kernels prior to 2.6.24
- MSI-X interrupts and Multiple TX/RX queues
- Optional TX throttling
- More efficient Ethernet firmware, for a higher packet rate

Windows DBL/Sniffer10G/MVA Ethernet driver does not support LRO.

The biggest omission is the lack of TSO, and this is mainly important for a 1500b MTU. If you can run with a jumbo MTU, you may not see that big or a performance difference between the two drivers.

Revision:	Date:	Change:
1	6/23/2016	Initial Draft
2	7/20/2016	Feedback