

What is the maximum packet rate Sniffer10G v3 and v2 can support?

Model:

ARC Series C Network Adapters (10G-PCIE2-8C2-2S)

Software:

Sniffer10G version 2 and 3

Operating System:

Both Linux and Windows operating systems are supported.

Information:

The maximum packet rate that Sniffer10g v3 and v2 can support is 14.88 million packets per second.

Sniffer10G v3/v2 have been designed to support the worst-case scenario where all packets are at the minimum 10-Gigabit Ethernet packet size, 64 bytes.

Including the 7-byte preamble, the start byte, and the 12-byte inter-packet gap, a minimum-size packet of 64 bytes requires 84 bytes to be transmitted on the wire.

Under a constant stream of minimum packet sizes, a packet arrives at every 67.2 nanoseconds, corresponding to a maximum packet rate of 14.88 Mpps.

Sniffer10G can also successfully capture all packet sizes, including small packets that are not aligned on neat boundaries.

Revision	Date	Change
1	7/6/2016	Initial Draft
2	7/22/2016	Feedback

