



WAN Link Performance & Sizing Report

****Location:**** Hosur-Taneira-WH, Hosur
****Vendor:**** AIRFIBER NETWORKS PVT LTD
****Link Type:**** DBB
****Business Hours:**** 09:00–18:00
****Provisioned Speed:**** 100.0 Mbps

1. Usage Pattern Analysis

The 100 Mbps link is significantly underutilized, with average usage at only 2.2% of its total capacity. While traffic correctly peaks during business hours, it remains very low against the provisioned speed. The key anomaly is the presence of infrequent, massive traffic bursts that far exceed the link's capacity. Overall, the link's usage trend is stable with minimal growth.

2. Capacity Planning Recommendations

The link is heavily over-provisioned for current demand. We recommend rightsizing the circuit to reduce operational costs. Based on sustained peak usage, the following options are available:

- * ****Conservative:**** 12.3 Mbps
- * ****Balanced:**** 15 Mbps
- * ****Aggressive:**** 2052 Mbps

We strongly recommend the ****Balanced 15 Mbps**** plan, which safely handles typical demand with a buffer for growth.

3. Performance Risks & Bottlenecks

Despite low average use, the link is at risk from extreme traffic spikes. The recorded peak of 1865 Mbps indicates severe, short-term congestion events that saturate the connection. These bursts, though rare, caused 99 minutes of poor performance where usage exceeded 90% capacity, pointing to a potential device misconfiguration or unmanaged traffic source.

Conclusion

We recommend downgrading this link from 100 Mbps to a more cost-effective ****15 Mbps**** provisioning to align with actual business needs.

Visual Insights

