

AJC 10G DWA (DIRECT WAVELENGTH ACCESS) CAPACITY

TECHNICAL SUMMARY

General

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| 10G DWA (Direct Wavelength Access) | <ul style="list-style-type: none">The direct connection of the Wavelength Signal between the customer 10G equipment and the AJC 10G Submarine Line Terminal Module (“SLTM”) which allows the transmission of a Wavelength Signal between the Network Interfaces. |
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System Parameters

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| Transmission Capacity | <ul style="list-style-type: none">9,953.280Mbit/s (STM-64) per wavelength |
| Protection Switching (HS Side) | <ul style="list-style-type: none">1:n wavelength protection |
| Protection Switching (LS Side) | <ul style="list-style-type: none">Nil Span or Ring Protection |
| Preemption | <ul style="list-style-type: none">Nil (Non-Preemptive) |

10G DWA Interface

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| Interface Type | <ul style="list-style-type: none">ITU-T S64.2b (P1S1-2D2b) per ITU-T G.691 |
| Bit Rate | <ul style="list-style-type: none">9.95328 Gbit/s |
| Line Coding | <ul style="list-style-type: none">NRZ |
| Maximum Transmission Distance | <ul style="list-style-type: none">40 km (nominal) S64.2b per ITU-T G.691 |
| Wavelength | <ul style="list-style-type: none">1530 - 1565 nm |
| Transmit Power Level | <ul style="list-style-type: none">+2 to -1 dBm per ITU-T G.959.1 |
| Receive Power Level | <ul style="list-style-type: none">-14 to -1 dBm per ITU-T G.959.1 |
| Error Performance | <ul style="list-style-type: none">BER <= 1E-12 |
| Processing of Overheads | <ul style="list-style-type: none">Clear Channel * |

* No processing or modification of SDH overhead bytes by AJC end to end system.

Availability

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| Intrinsic Equipment Design | <ul style="list-style-type: none">Target 99.993% available (one outages of up to four hours per 72 months), excluding wet segment events. 1:n wavelength redundancy should increase availability to essentially 100%. |
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