

North America

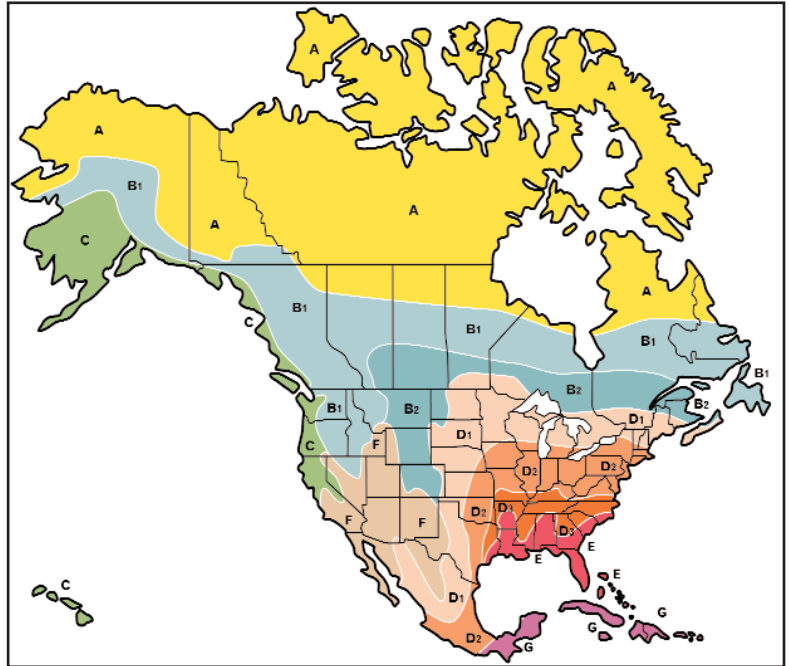
GigaLink™ Predicted Range and Availability by Rain Region

(Ranges provided in meters)

Availability is the average percentage of time over a given year that a wireless broadband circuit is fully operational. Availability is generally expressed in terms of "nines" (99.9, 99.99, 99.999% availability), which relates directly to the link downtime per calendar year. This document provides the weather availability for GigaLink systems without a backup circuit. The weather availability prediction does not account for potential downtime associated with equipment failure or other network equipment factors, such as cabling or router issues. Availability predictions are typically based on long-term weather statistics; and, therefore, substantial year-to-year variation can exist.

In order to determine the maximum predicted range, for a GigaLink deployment in your region:

1. Select Rain Rate Region from map.
2. Find corresponding column in table below.
3. Read product link range for desired availability.



Maximum Link Range by Rain Rate Region (meters)

Speed	Model	SLA	A	B	B1	B2	C	D1	D2	D3	E	F	G	H
125 Mbps (FE) BER 10 ⁻⁹	GigaLink 6221e Patch Antenna	Clear Air	Minimum to Maximum Range: 20 - 430											
		99.9%	420	405	410	400	395	390	375	355	330	405	340	290
		99.99%	390	360	370	350	340	330	315	295	265	355	270	200
	GigaLink 6421e Parabolic Antenna	99.999%	345	305	320	295	285	270	250	235	215	285	205	130
		Clear Air	Minimum to Maximum Range: 180 - 1230											
		99.9%	1200	1140	1160	1120	1110	1070	1015	940	845	1145	875	705
155 Mbps (OC-3/STM-1) BER 10 ⁻¹⁰	GigaLink 6232e Patch Antenna	99.9%	405	390	395	390	385	375	365	345	320	395	330	285
		99.99%	380	350	360	340	335	320	305	290	260	345	260	195
		99.999%	335	300	310	285	280	265	245	230	210	280	200	130
	GigaLink 6432e Parabolic Antenna	Clear Air	Minimum to Maximum Range: 175 - 1210											
		99.9%	1180	1120	1140	1105	1090	1055	995	925	830	1130	860	695
		99.99%	1060	940	985	900	875	830	775	710	620	930	625	425
1.25 Gbps (GigE) BER 10 ⁻¹²	GigaLink 6451e Parabolic Antenna	99.999%	885	750	795	705	675	635	570	530	465	680	440	255
		Clear Air	Minimum to Maximum Range: 20 - 440											
		99.9%	420	405	410	400	395	390	375	355	330	405	340	290
	GigaLink 6651e Parabolic Antenna	99.99%	390	360	370	350	340	330	315	295	265	355	270	200
		99.999%	345	305	320	295	285	270	250	235	215	285	205	130
		Clear Air	Minimum to Maximum Range: 300 - 1142											
	GigaLink 7451e Parabolic Antenna	99.9%	1090	1040	1057	1025	1007	970	914	840	751	1040	769	627
		99.99%	970	862	903	829	859	748	683	632	558	833	549	430
		99.999%	790	650	700	610	588	679	520	488	437	625	342	255
	GigaLink 7451e Parabolic Antenna	Clear Air	Minimum to Maximum Range: 600 - 8200											
		99.9%	4175	3230	3480	3060	2880	2580	2120	1705	1315	3245	1390	950
		99.99%	2520	1790	2050	1635	1500	1310	1105	967	750	1615	770	590
99.999%	1475	1015	1155	910	848	787	710	650	553	942	517	424		

These availability statistics are based on the ITU model for long-term rain rate averages. These availability statistics are provided as estimates for general guidance only. Actual availability for any specific period of time will be heavily influenced by the local climatology and the actual weather. Proxim makes no guarantees or promises that a link's actual performance will be consistent with the availability percentages.