

Network DLCI Assignments

Because the Cisco 90i IDSL Channel Unit performs a DLCI translation for Frame Relay traffic both to and from a subscriber, this appendix lists the network DLCI assignments and corresponding subscriber DLCI assignments for every possible slot and port in a 64-slot D4 channel bank digroup.

Determining Network DLCI Assignments Mathematically

Network DLCIs can be derived mathematically using the following equation:

$$\text{NetworkDLCI} = (32 * \text{slot}) + (8 * \text{port}) + (\text{SubscriberDLCI} - 16)$$

where *slot* varies from 1 to 24 and *port* varies from 0 to 3. Port A on the Cisco 90i corresponds to port 0, port B to 1, port C to 2, and port D to 3.

Using the Network DLCI Assignments Table

The Network DLCI table is arranged by slot and port number. Each Cisco 90i IDSL Channel Unit fits into a slot in the D4 channel bank and has a network DLCI assigned for each subscriber on a port. The ports on a Cisco 90i channel unit are labeled from A to D, corresponding to port numbers 0 to 3 in the chart below.

Table B-1 Network DLCI Assignments Table

Slot No.	Port No.	DLCI Assignment at Subscriber							
		16	17	18	19	20	21	22	23
1	0	32	33	34	35	36	37	38	39
1	1	40	41	42	43	44	45	46	47
1	2	48	49	50	51	52	53	54	55
1	3	56	57	58	59	60	61	62	63
2	0	64	65	66	67	68	69	70	71
2	1	72	73	74	75	76	77	78	79
2	2	80	81	82	83	84	85	86	87
2	3	88	89	90	91	92	93	94	95
3	0	96	97	98	99	100	101	102	103
3	1	104	105	106	107	108	109	110	111
3	2	112	113	114	115	116	117	118	119

Table B-1 Network DLCI Assignments Table (Continued)

Slot No.	Port No.	DLCI Assignment at Subscriber							
		16	17	18	19	20	21	22	23
3	3	120	121	122	123	124	125	126	127
4	0	128	129	130	131	132	133	134	135
4	1	136	137	138	139	140	141	142	143
4	2	144	145	146	147	148	149	150	151
4	3	152	153	154	155	156	157	158	159
5	0	160	161	162	163	164	165	166	167
5	1	168	169	170	171	172	173	174	175
5	2	176	177	178	179	180	181	182	183
5	3	184	185	186	187	188	189	190	191
6	0	192	193	194	195	196	197	198	199
6	1	200	201	202	203	204	205	206	207
6	2	208	209	210	211	212	213	214	215
6	3	216	217	218	219	220	221	222	223
7	0	224	225	226	227	228	229	230	231
7	1	232	233	234	235	236	237	238	239
7	2	240	241	242	243	244	245	246	247
7	3	248	249	250	251	252	253	254	255
8	0	256	257	258	259	260	261	262	263
8	1	264	265	266	267	268	269	270	271
8	2	272	273	274	275	276	277	278	279
8	3	280	281	282	283	284	285	286	287
9	0	288	289	290	291	292	293	294	295
9	1	296	297	298	299	300	301	302	303
9	2	304	305	306	307	308	309	310	311
9	3	312	313	314	315	316	317	318	319
10	0	320	321	322	323	324	325	326	327
10	1	328	329	330	331	332	333	334	335
10	2	336	337	338	339	340	341	342	343
10	3	344	345	346	347	348	349	350	351
11	0	352	353	354	355	356	357	358	359
11	1	360	361	362	363	364	365	366	367
11	2	368	369	370	371	372	373	374	375
11	3	376	377	378	379	380	381	382	383
12	0	384	385	386	387	388	389	390	391
12	1	392	393	394	395	396	397	398	399
12	2	400	401	402	403	404	405	406	407
12	3	408	409	410	411	412	413	414	415

Table B-1 Network DLCI Assignments Table (Continued)

Slot No.	Port No.	DLCI Assignment at Subscriber							
		16	17	18	19	20	21	22	23
13	0	416	417	418	419	420	421	422	423
13	1	424	425	426	427	428	429	430	431
13	2	432	433	434	435	436	437	438	439
13	3	440	441	442	443	444	445	446	447
14	0	448	449	450	451	452	453	454	455
14	1	456	457	458	459	460	461	462	463
14	2	464	465	466	467	468	469	470	471
14	3	472	473	474	475	476	477	478	479
15	0	480	481	482	483	484	485	486	487
15	1	488	489	490	491	492	493	494	495
15	2	496	497	498	499	500	501	502	503
15	3	504	505	506	507	508	509	510	511
16	0	512	513	514	515	516	517	518	519
16	1	520	521	522	523	524	525	526	527
16	2	528	529	530	531	532	533	534	535
16	3	536	537	538	539	540	541	542	543
17	0	544	545	546	547	548	549	550	551
17	1	552	553	554	555	556	557	558	559
17	2	560	561	562	563	564	565	566	567
17	3	568	569	570	571	572	573	574	575
18	0	576	577	578	579	580	581	582	583
18	1	584	585	586	587	588	589	590	591
18	2	592	593	594	595	596	597	598	599
18	3	600	601	602	603	604	605	606	607
19	0	608	609	610	611	612	613	614	615
19	1	616	617	618	619	620	621	622	623
19	2	624	625	626	627	628	629	630	631
19	3	632	633	634	635	636	637	638	639
20	0	640	641	642	643	644	645	646	647
20	1	648	649	650	651	652	653	654	655
20	2	656	657	658	659	660	661	662	663
20	3	664	665	666	667	668	669	670	671
21	0	672	673	674	675	676	677	678	679
21	1	680	681	682	683	684	685	686	687
21	2	688	689	690	691	692	693	694	695
21	3	696	697	698	699	700	701	702	703
22	0	704	705	706	707	708	709	710	711

Table B-1 Network DLCI Assignments Table (Continued)

Slot No.	Port No.	DLCI Assignment at Subscriber							
		16	17	18	19	20	21	22	23
22	1	712	713	714	715	716	717	718	719
22	2	720	721	722	723	724	725	726	727
22	3	728	729	730	731	732	733	734	735
24	0	768	769	770	771	772	773	774	775
23	0	736	737	738	739	740	741	742	743
23	1	744	745	746	747	748	749	750	751
23	2	752	753	754	755	756	757	758	759
23	3	760	761	762	763	764	765	766	767
24	1	776	777	778	779	780	781	782	783
24	2	784	785	786	787	788	789	790	791
24	3	792	793	794	795	796	797	798	799