

Business Communications Manager Release 3.5

System and component reliability indicators

The table below provides Mean Time Between Failure (MTBF) figures for selected BCM 3.5 systems and modules or spares. MTBF figures are one measure of the reliability of systems. In addition, estimates of the annualized failure rates for these pieces are provided, which are related to the installed base of systems or components at any point in time and converted to a twelve-month period. These figures allow service plans and sparing strategies to be set.

BCM 3.5 reliability indicators

Description	PEC	CPC	MTBF (hours)	MTBF (years)	Failure rate (%)
BCM 400 Base System: 0x0 with Motherboard, CPU, RAM, HDD, PS, Cooling Fan.	NT7B10AAED NT7B10AAEF	A0510880 A0510881	60,686	6.9	1.5
BCM 200 Base System: 0x0 with Motherboard, CPU, RAM, HDD, PS, Cooling Fan.	NT7B14AAAAJ NT7B10AAEJ	A0521639 A0510883	60,686	6.9	1.5
BCM Expansion Cabinet: 0x0 with HUB, PS, Cooling Fan.	NT7B14AAAAE NT7B14AAAAG	A0899815 A0899817	86,534	9.9	1.5
BCM 400 Base System: 0x0 with Motherboard, CPU, RAM, Redn. HDD, Redn. PS, Redn. Cooling Fan.	NT7B10AAEE NT7B10AAEG	A0510881 A0511057	67,951	7.8	1.5
BCM Expansion Cabinet: 0x0 with HUB, Redn. PS, Redn. Cooling Fan.	NT7B14AAAAF NT7B14AAAAH	A0899816 A0899818	96,454	11.0	1.5
BCM 400 MSC Media Services Card	NTAB9929	A0536561	543,739	62.1	1.0
BCM 200 MSC Media Services Card	NTAB9930	A0536562	543,739	62.1	1.0
BCM-GATM4 – Global Analog Trunk Module	NT5B44BAAA	A0997997	302,094	55.0	1.0
BCM-GATM8 – Global Analog Trunk Module	NT5B44AAAA	A0997994	248,869	28.4	1.0
BCM-COMBO 4x16 – CLID Trunk & Digital Station Media Bay Module	NT5B42AAAA	A0798241	128,304	14.6	1.0
BCM-BRI S/T – Media Bay Module	NT7B76AAAAH	A0803598	625,938	71.4	1.0
BCM-DTM – Digital Trunk Media Bay Module	NT5B04AAAD	A0803597	786,275	90.0	1.0
BCM-DSM16+ – 16 Digital Station Media Bay Module	NT7B08AAAL	A0882619	855,685	98.0	1.0

BCM 3.5 reliability indicators—continued

Description	PEC	CPC	MTBF (hours)	MTBF (years)	Failure rate (%)
BCM-DSM32+ – 32 Digital Station Media Bay Module	NT7B09AAAD	A0882620	117,818	13.4	1.0
BCM-ASM8 – Analog Station Media Bay Module	NT5B16AAAE	A0803601	177,494	20.3	1.0
BCM-DDIM – Digital Drop and Insert MUX Media Bay Module	NT5B52AAAA	A0886859	2,575,440	294	1.0
BCM-FEM6 – Fiber Expansion Media Bay Module	NT7B07AAAC	A0803602	1,436,786	164.0	0.5
BCM Embedded Modem	NTAB9854	A0982858	1,573,823	179.66	0.5
NA WAN Interface Card (V.35/T-1)	NTAB3212	A0803235	138,503	15.8	0.5
Dual WAN Interface Card (V.35/V.35)	NTAB9894	A0512054	138,503	15.8	0.5
Int'l WAN Interface Card (V.35/X.21)	NTAB3213	A0803236	101,217	15.8	0.5
BCM Universal Power Supply	NTAB3423	A0998392	110320	12.6	1.0
BCM400 Redundant PS Module, Single	NTAB3419	A0998388	113576.9	12.96	0.5
BCM400/1000 Cooling Fan	NTAB3315	A0846409	696,117	80.0	1.5
BCM200 Cooling Fan	NTAB3424	A0998393	696,117	80.0	1.5
BCM 128 MB Memory Module	NTAB3260	A0811340	478,832	55.0	0.5
BCM 256 MB Memory Module	NTAB3421	A0998390	685,000	78.1	0.5
BCM 3.5 Programmed Hard Drive	NTAB9926	A0521638	864,000	98.56	1.0
BCM RAID Controller	In NTAB3418 NTAB9861	A0998387 A0982865	580,383	66.3	1.5

Note: MTBFs are based on figures provided by suppliers or using Mil-217 standard calculation methods. Annualized failure rates are estimates only. Figures may be subject to change as additional data becomes available.

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