



## Card Types

This appendix provides the lists of front and back cards supported in Release 11 of CWM based upon the card platform.



**Note**

The values listed in the *Value* column refer to the specific card type mnemonic used in the database tables.

### IPX/IGX/BPX Front Cards

[Table E-1](#) lists the IPX, IGX, and BPX front cards supported in Release 11 of CWM and the *fc\_type* value associated with each front card.

**Table E-1 IPX/IGX/BPX Front Cards**

Front Card Type	Value (fc_type)
NULL_CD	0
IPX_PCC_CD	1
VDP_CD	2
TXR_CD	3
PIC_CD	4
VCD_CD	5
VDP_VCD_CD	6
PSM_CD	7
PS_CD	8
SDP_CD	9
BSLOT_CD	10
MBACK_CD	11
SDP_BACK_CD	12
TXR2_CD	13
XDP_CD	14
LDP_CD	15

**Table E-1 IPX/IGX/BPX Front Cards (continued)**

<b>Front Card Type</b>	<b>Value (fc_type)</b>
XDP_BACK_CD	16
LDP_BACK_CD	17
SBACK_CD	18
LBACK_CD	19
FDP_CD	20
CIP_CD	21
NTC_CD	22
UBACK_CD	23
UNI_CD	24
FRP_CD	25
FBACK_CD	26
FRP_BACK_CD	27
MT3_CD	28
CDP_CD	29
E1T1_PORT_CD	30
ATM_CD	31
NPC_CD	32
ARC_CD	33
AIT_CD	34
FTC_CD	35
FTCBACK_CD	36
UFM1_CD	37
UFM1_U_CD	38
BTM_HP_CD	39
UVM_CD	40
UXM_CD	41
BCC_CD	101
ASM_CD	102
BNI_T3_CD	103
BNI_E3_CD	104
MFRP_CD	105
ASI_T3_2_CD	106
ASI_E3_2_CD	107
ASI0_T3_CD	108
ASI0_E3_CD	109
BNI_OC3_CD	110

**Table E-1 IPX/IGX/BPX Front Cards (continued)**

<b>Front Card Type</b>	<b>Value (fc_type)</b>
ASI_OC3_CD	111
BPX_BSLOT_CD	112
BCC3_CD and BCC4_CD	113
Not used	114
Reserved for GIM Cards	115
Reserved for GIM Cards	116
MNCH_CD (BXM BPX only)	117
UNKWN_CD	118
BXM_T3_8_SMF	180
BXM_T3_8_MMF	181
BXM_T3_8_SMFLR	182
BXM_T3_8_SNM	183
BXM_T3_12_SMF	184
BXM_T3_12_MMF	185
BXM_T3_12_SMFLR	186
BXM_T3_12_SNM	187
BXM_E3_8_SMF	188
BXM_E3_8_MMF	189
BXM_E3_8_SMFLR	190
BXM_E3_8_SNM	191
BXM_E3_12_SMF	192
BXM_E3_12_MMF	193
BXM_E3_12_SMFLR	194
BXM_E3_12_SNM	195
BXM_OC3_4_SMF	196
BXM_OC3_4_MMF	197
BXM_OC3_4_SMFLR	198
BXM_OC3_4_SNM	199
BXM_OC3_8_SMF	200
BXM_OC3_8_MMF	201
BXM_OC3_8_SMFLR	202
BXM_OC3_8_SNM	203
BXM_OC12_1_SMF	204
BXM_OC12_1_MMF	205
BXM_OC12_1_SMFLR	206
BXM_OC12_1_SNM	207

**Table E-1 IPX/IGX/BPX Front Cards (continued)**

<b>Front Card Type</b>	<b>Value (fc_type)</b>
BXM_OC12_2_SMF	208
BXM_OC12_2_MMF	209
BXM_OC12_2_SMFLR	210
BXM_OC12_2_SNM	211
BME_OC12_1_SMF	212
BME_OC12_1_MMF	213
BME_OC12_1_SMFLR	214
BME_OC12_1_SNM	215
BME_OC12_2_SMF	216
BME_OC12_2_MMF	217
BME_OC12_2_SMFLR	218
BME_OC12_2_SNM	219
BXM_OC3_4_STM1E	220
BXM_OC3_8_STM1E	221
BXM_OC3_4_XLR	222
BXM_OC3_8_XLR	223
BXM_OC12_1_XLR	224
BXM_OC12_2_XLR	225
BXM_T3_12_ENH	226
BXM_E3_12_ENH	227
BXM_OC3_4_SMF_ENH	228
BXM_OC3_4_MMF_ENH	229
BXM_OC3_4_SMFLR_ENH	230
BXM_OC3_4_STM1E_ENH	231
BXM_OC3_4_XLR_ENH	232
BXM_OC3_8_SMF_ENH	233
BXM_OC3_8_MMF_ENH	234
BXM_OC3_8_SMFLR_ENH	235
BXM_OC3_8_STM1E_ENH	236
BXM_OC3_8_XLR_ENH	237
BXM_OC12_1_SMF_ENH	238
BXM_OC12_1_MMF_ENH	239
BXM_OC12_1_SMFLR_ENH	240
BXM_OC12_1_XLR_ENH	241
BXM_OC12_2_SMF_ENH	242
BXM_OC12_2_MMF_ENH	243

**Table E-1 IPX/IGX/BPX Front Cards (continued)**

Front Card Type	Value (fc_type)
BXM_OC12_2_SMFLR_ENH	244
BXM_OC12_2_XLR_ENH	245
BME_OC12_1_SMF_ENH	246
BME_OC12_2_SMF_ENH	247
BME_OC12_2_SMFLR_ENH	248
BME_OC12_2_SNM_ENH	249
BXM_T3_8E	250
BXM_E3_8E	251
BXM_E3_12E	253
BXM_T3_12E	254

## IPX/IGX/BPX Back Cards

Table E-2 lists the IPX, IGX, and BPX back cards supported in Release 11 of CWM and the *bc\_type* value associated with each front card.

**Table E-2 IPX/IGX/BPX Back Cards**

Back Card Type	Value (bc_type)
NULL_BCD	0
RS232_BCD	1
RS449_BCD	2
V35_BCD	3
RS232D_BCD	4
RS232_8_BCD	5
RS232_4_BCD	6
FRIV35_4_BCD	7
E1_BCD	8
T1_BCD	9
PCCB_BCD	10
DDS_4_BCD	11
DDS_8_BCD	12
SR_BCD	13
MT3_BCD	14
FRI_E1_BCD	15
FRI_T1_BCD	16
J1_BCD	17

**Table E-2** IPX/IGX/BPX Back Cards (continued)

<b>Back Card Type</b>	<b>Value (bc_type)</b>
Y1_BCD	18
IPX_T3_BCD	19
IPX_E3_BCD	20
FRI_X21_BCD	21
ARI_BCD	22
AIT_T3_BCD	23
AIT_E3_BCD	24
FTIV35_4_BCD	25
FTI_X21_BCD	26
FTI_E1_BCD	27
FTI_T1_BCD	28
AIT_E2_BCD	29
AIT_HSSI_BCD	30
UFI_T1D_BCD	31
UFI_E1D_BCD	32
UFI_E1B_BCD	33
UFI_HSSI_BCD	34
UFI_V35_BCD	35
UFI_X21_BCD	36
BTM_HP_T3_BCD	37
BTM_HP_E3_BCD	38
T1-2	39
E1-2	40
BCC_BCD	101
LM_ASM_BCD	102
T3_BCD	103
E3_BCD	104
T3_2_BCD	105
E3_2_BCD	106
SMF_BCD	107
MMF_BCD	108
BCCLM2_BCD	109
STM1_BCD	110
UTP_BCD	111
STP_BCD	112
MNCH_BCD	113

**Table E-2 IPX/IGX/BPX Back Cards (continued)**

Back Card Type	Value (bc_type)
SMFLR_BCD	114
UNKWN_BCD	115
INIT_BCD	116
UAI_4OC3_MMF	150
UAI_4OC3_SMF	151
UAI_2OC3_SMF	152
UAI_6T3	153
UAI_3T3	154
UAI_6E3	155
UAI_3E3	156
UAI_8T1_IMA_DB15	157
UAI_8E1_IMA_DB15	158
UAI_8E1_IMA_BNC	159
UAI_4T1_IMA_DB15	160
UXM_4E1_IMA_DB15	161
UXM_4E1_IMA_BNC	162
OC3	163

## MGX Front Cards

Table E-3 lists the MGX 8220, MGX 8230, MGX 8250, MGX 8830, MGX 8850 (PXM1), MGX 8850 (PXM1E), and MGX 8850 (PXM45) front cards supported in Release 11 of CWM and the *fc\_type* value associated with each front card.

**Table E-3 MGX Front Cards**

Front Card Type	Value (fc_type)	Symbols in the MIB
other	1	—
asc	2	—
bnm-T3	10	—
bnm-E3	11	—
bnm-155	12	—
srm-4T1E1	20	—
srm-3T3	21	cevMGXSrm3t3
srme-1OC3	22	—
srme-1STS3	23	—
srme-nobc	24	—
srme-3T3-nobc	25	—

**Table E-3 MGX Front Cards (continued)**

Front Card Type	Value (fc_type)	Symbols in the MIB
frsm-4T1	30	—
frsm-4E1	31	—
frsm-4T1-C	32	—
frsm-4E1-C	33	—
frsm-hs1	34	cevFrsm4x21
frsm-8T1	35	cevFrsm8t1
frsm-8E1	36	cevFrsm8e1
frsm-hs1/b	37	—
frsm-8T1C	38	cevFrsmC8t1
frsm-8E1C	39	cevFrsmC8e1
ausm-4T1	40	—
ausm-4E1	41	—
ausm-8T1	50	cevAusm8t1
ausm-8E1	51	cevAusm8e1
ausm-b-8t1	52	—
ausm-b-8e1	53	—
ausm-c-8t1	54	—
ausm-c-8e1	55	—
cesm-4T1	60	—
cesm-4E1	61	—
imatm-T3T1	70	—
imatm-E3E1	71	—
imatm-8T1-B	72	—
imatm-8E1-B	73	—
Frasm-8T1	80	—
cesm-8T1	90	cevCesm8t1
cesm-8E1	91	cevCesm8e1
frsm-2ct3	130	—
frsm-2t3	131	—
frsm-2e3	132	—
frsm-2hs2	133	cevFrsm2hssi
frsm-hs2B-hssi	136	cevFrsmB2hssi
frsm-hs2B-12in1	137	cevFrsmB212in1
cesm-t3	140	cevCesm1t3
cesm-e3	141	cevCesm1e3
vism-8T1	150	—



Table E-3 MGX Front Cards (continued)

Front Card Type	Value (fc_type)	Symbols in the MIB
vism-8E1	151	—
frsm-12-T3E3	160	cevFrsm12t3e3
vism_pr_8T1	563	vism-pr-8T1/cevVismPr8t1
vism_pr_8E1	564	vism-pr-8E1/cevVismPr8e1
cesm-b-8T1	787	cevCesmB8t1
pxm-1	1000	cevCpuPSM1Gbps
pxm-t3e3	1001	cevCpuPsm12t3e3
pxm-oc3	1002	cevCpuPsm14oc3
pxm-oc12	1003	cevCpuPsm11oc12
pxm-45	1100	cevCpuPSM45Gbps
pxm1-e	1200	cevCpuPXM1E1Gbps
pxm1-e-8t3e3	1201	cevCpuPXM1E8t3e3
pxm1-e-8-155	1202	cevCpuPXM1E8oc3
pxm1-e-2-622	1203	cevCpuPXM1E2oc12
pxm1-e-combo-t3e3-155	1204	cevCpuPXM1ECombo3e3oc3
pxm1-e-4-155	1205	cevCpuPXM1E4oc3
pxm1e_16t1e1	1206	—
rpm	2000	cevMGXRpm
rpm-pr	2001	cevMGXRpm400
rpm_xf	2002	cevMGXRpmXf
axsm1-Oc48	3000	cevAxsm1Oc48
axsm4-Oc12	3001	cevAxsm4Oc12
axsm8-Oc3	3002	cevAxsm8Oc3
axsm16-Oc3	3003	cevAxsm16Oc3
axsm16-T3E3	3004	cevAxsm16T3E3
axsm2-Oc12	3005	cevAxsm2oc12
axsm1-oc12-e	3100	cevEnhAxsm1oc12
axsm2-oc12-e	3101	cevEnhAxsm2oc12
axsm4-oc3-e	3102	cevEnhAxsm4oc3
axsm8-oc3-e	3103	cevEnhAxsm8oc3
axsm4-stm1-e	3104	cevEnhAxsm4stm1
axsm8-stm1-e	3105	cevEnhAxsm8stm1
axsm8-t3e3-e	3106	cevEnhAxsm8t3e3
axsm16-t3e3-e	3107	cevEnhAxsm16t3e3
axsm8-t1-e	3108	cevEnhAxsm8t1
axsm16-t1-e	3109	cevEnhAxsm16t1

**Table E-3** MGX Front Cards (continued)

Front Card Type	Value (fc_type)	Symbols in the MIB
axsm8-e1-e	3110	cevEnhAxsm8e1
axsm16-e1-e	3111	cevEnhAxsm16e1
xm-60	3200	cevContainerMGXXm60Slot
axsm1-oc48-b	3300	cevAxsm1Oc48B
axsm4-oc12-b	3301	cevAxsm4Oc12B
axsm16-oc3-b	3302	cevAxsm16Oc3B
axsm16-t3e3-b	3303	cevAxsm16T3E3B

## MGX Back Cards

Table E-4 lists the MGX 8220, MGX 8230, MGX 8250, MGX 8830, MGX 8850(PXM1), MGX 8850(PXM1E), and MGX 8850(PXM45) back cards supported in Release 11 of CWM and the *bc\_type* value associated with each back card.

**Table E-4** MGX Back Cards

Back Card Type	Value (bc_type)	Symbols in the MIB
other	1	Back card is missing.
lm-ASC	2	—
lm-DB15-4T1	16	—
lm-DB15-4E1	17	—
lm-BNC-4E1	18	—
lm-DB15-4T1-R	19	—
lm-DB15-4E1-R	20	—
lm-BNC-4E1-R	21	—
lm-RJ48-8T1	22	cevLmRj488t1
lm-RJ48-8E1	23	cevLmRj488e1
lm-SMB-8E1	24	cevLmSmb8e1
lm-RJ48-T3T1	25	—
lm-RJ48-E3E1	26	—
lm-RJ48-T3E1	27	—
lm-SMB-E3E1	28	—
lm-RJ48-E3T1	29	—
lm-SMB-T3E1	30	—
lm-T3-E3-D	32	—
lm-T3-E3-B	33	—
lm-155-SMF	34	—
lm-155-UTP	35	—

Table E-4 MGX Back Cards (continued)

Back Card Type	Value (bc_type)	Symbols in the MIB
lm-RJ48-8T1-R	48	cevLmRj488t1R
lm-RJ48-8E1-R	49	cevLmRj488e1R
lm-SMB-8E1-R	50	cevLmSmb8e1R
lm-SRM-3T3	51	—
lm-HS1-4X21	60	—
lm-HS1-2HSSI	61	—
lm-HS1-4V35	62	—
lm-12in1-8s	63	cevLm12In18s
lm-BNC-2T3	80	cevLmBnc2t3
lm-BNC-2E3	81	cevLmBnc2e3
lm-PXM-UI	500	cevLmPsmUI
lm-SMFIR-1-622	501	cevLmSmfIr1oc12
lm-SMFLR-1-622	502	cevLmSmfLr1oc12
lm-SMFIR15-1-622	503	—
lm-SMFLR15-1-622	504	—
lm-MMF-4-155	505	cevLmMmf4oc3
lm-SMFIR-4-155	506	cevLmSmfIr4oc3
lm-SMFLR-4-155	507	cevLmSmfLr4oc3
lm-BNC-3T3	510	—
lm-RJ45-FE	511	—
lm-MMF-FE	512	—
lm-MMF-FDDI	513	—
lm-SMF-FDDI	514	—
lm-RJ45-4E	515	—
lm-DB15-4x21	601	cevLmDb154x21
lm-SCSI2-2HSSI	602	cevLmScsi22hssi
lm-S3-UI	603	cevLmS3Ui
lm-MMF8-OC3	604	cevLmMmf8oc3
lm-SMFIR8-OC3	605	cevLmSmfIr8oc3
lm-SMFLR8-OC3	606	cevLmSmfLr8oc3
lm-SMFIR-1OC48	607	cevLmSmfIr1oc48
lm-SMFLR-1OC48	608	cevLmSmfLr1oc48
lm-PSM-HD	609	cevLmPsmHD
lm-SMB-8T3	610	cevLmSmb8t3
lm-SMB-8E3	611	cevLmSmb8e3
lm-SMB-4-155	612	cevLmSmb4stm1

Table E-4 MGX Back Cards (continued)

Back Card Type	Value (bc_type)	Symbols in the MIB
lm-SMFIR-2-622	613	cevLmSmfIr2oc12
lm-SMFLR-2-622	614	cevLmSmfLr2oc12
lm-SMFSR-loc48	615	cevLmSmfSrloc48
lm-SMFXLR-loc48	616	cevLmSmfXlrlloc48
lm_SCSI2B_2HSSI	617	cevLmScsi2B2hssi
lm-COMBO-t3e3-15	700	cevLmComb3e3oc3
lm-MMF-8OC3-B	701	cevLmMmf8oc3B
lm-SMFIR-8OC3-B	702	—
lm-SMFLR-8OC3-B	703	cevLmSmfLr8oc3B
lm-MMF-8OC3-C	704	cevLmMmf8oc3C
lm-SMFIR-8OC3-C	705	cevLmSmfIr8oc3C
lm-SMFLR-8OC3-C	706	cevLmSmfLr8oc3C
lm-SMFIR-2-622-B	707	cevLmSmfIr2oc12B
lm-SMFLR-2-622-B	708	cevLmSmfLr2oc12B
lm-SMFIR-2-622-C	709	cevLmSmfIr2oc12C
lm-SMFLR-2-622-C	710	cevLmSmfLr2oc12C
lm_rpm_xf_ui	800	cevLmRpmXfUI
lm_pos_1oc12	801	cevLmPos1oc12
lm_rpm_xf_1ge	802	cevLmRpmXf1ge
RPM_XF_2OC12	803	—
RPM_XF_2GE	804	—
lm_srme_1OC3_smlr	1050	lm-srme-1OC3-smlr
lm_srme_1OC3_smir	1051	lm-srme-1OC3-smir
lm_srme_1OC3_smb	1052	lm-srme-1OC3-smb