

WAVExpress/BSC

Base Station Controller

Configurations

Maximum Number of TRXs	30
Maximum Number of BTSs	16
Maximum Number of Trunk Ports	16
Traffic Capacity	123 Erlangs @ 2% GOS ¹
Busy Hour Call Attempts	7380 @ 2% GOS ²

Interfaces

MSC	GSM Compliant A Interface
BTS	GSM Compliant Abis Interface
Transmission	Dual Port G.703 compliant E1 75/120 Ohm Dual Port T1.403 compliant T1 100 Ohm
Ethernet	IEEE802.3; 10baseT
Serial	DB9 male connector supporting DCE interface

GSM Vocoding

Integrated TRAU	Abis Interface supporting EFR or standard vocoding
Transcoding Capacity	Up to 240 Traffic Channels

Electrical

Power Options	110/220 volts 50-60 Hz AC -48 volts DC Optional redundant power supply
Power Consumption	4.10 Amperes@115VAC ³ 2.00 Amperes@230VAC ³ 8.20 Amperes @48VDC ³

Mechanical

Dimensions (h x w x d)	61 x 28 x 41 centimeters (24 x 11 x 16 inches)
Weight	20 kg (44 lbs)

Environmental

Operating Environment	Temperature: -5° to 45° C Humidity: 10° to 90° noncondensing
Regulatory	GSM 900 & DCS 1800: CB Report; EN550022, IEC1000-4; PCS 1900: FCC Part 15 Class A, NTRL/C; Telecom: E1: 120 ohm CTR12/13; 75 ohm NTR-4/10/11; IEC 950; Part 6; FCC Part 15 & Part 68 and Industry Canada ICES-003 & CP-03

¹ Grade Of Service

² Grade Of Service (assuming one minute call holding time)

³ Standard Configuration of Eight E1/T1 cards



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