

# System Specifications



**Table A-1** ERX specifications

	ERX-1400 Series	ERX-700 Series
<b>Weight</b>		
Chassis only	42 lb (18.9 kg)	22 lb (9.9 kg)
Chassis fully configured	88 lb (39.6 kg)	46 lb (20.7 kg)
<b>Dimensions</b>	22.75 (H) x 19 (W) x 16 (D) inches (57.78 x 48.26 x 40.64 cm)	10.5 (H) x 19 (W) x 16 (D) inches (26.67 x 48.26 x 40.64 cm)
<b>Environmental Requirements</b>	(NEBS GR-63-CORE compliant)	
Ambient operating temperature	Long term: 41° to 104° F (5° to 40° C) Short term: 23° to 122° F (-5° to 50° C)	
Ambient operating humidity	Long term: 5% to 85% (noncondensing) Short term: 5% to 95% (noncondensing)	
Ambient storage temperature	-40° to 158° F (-40° to +70° C), 95% relative humidity	
Ambient storage humidity	5% to 95% (noncondensing)	
<b>Heat Dissipation</b>	2400 W, 8190 BTU/hour maximum	1400 W, 4780 BTU/hour maximum
<b>Space Requirements</b>	<ul style="list-style-type: none"> <li>• 3 feet (90 cm) behind system or rack</li> <li>• No space requirements for sides of units or rack</li> <li>• Do not block air vents on front or back of the system.</li> </ul>	<ul style="list-style-type: none"> <li>• 3 feet (90 cm) behind system or rack</li> <li>• Do not block air vents on sides of the system.</li> <li>• Do not place equipment that exhausts hot air to right of the system.</li> <li>• Be aware that system exhausts hot air from its left side.</li> <li>• Allow at least 18 inches (45 cm) at side of the unit or rack.</li> </ul>

**Table A-1** ERX specifications (continued)

	<b>ERX-1400 Series</b>	<b>ERX-700 Series</b>
<b>Airflow</b>	<ul style="list-style-type: none"> <li>An integral air plenum directs system's exhaust air below the system and out the back. See Figure D-1 in <i>Appendix D, Preparing Your Site</i>.</li> </ul>	<ul style="list-style-type: none"> <li>Airflow direction is in through the right side and out through the left side. See Figure D-2 in <i>Appendix D, Preparing Your Site</i>.</li> </ul>
<b>DC Input</b>		
Voltage	–40 to –72 VDC <sup>a</sup>	–40 to –72 VDC
Current	50 A @ –48 VDC	30 A @ –48 VDC
Power	2400 W maximum	1400 W maximum
Redundancy (input power)	2 independent line feeds	2 independent line feeds
<b>NEBS Certification</b>	<ul style="list-style-type: none"> <li>SR-3580 (FD-15): Network Equipment Building System (NEBS) Criteria Levels, Issue 1, November 1995</li> <li>GR-63 (LSSGR, FD-15): Network Equipment Building System (NEBS) Requirements: Physical Protection, Issue 1, October 1995</li> <li>GR-1089 (LSSGR, FD-15): Electromagnetic Compatibility and Electrical Safety - Generic Criteria for Network Telecommunications Equipment, Issue 2, Revision 1, February 1999</li> </ul>	
<b>Safety Agency Certification</b>	<ul style="list-style-type: none"> <li>AS/NZS 3260:1993: Safety of Information Technology Equipment Including Electrical Business Equipment</li> <li>CAN/CSA C22.2, No. 60950-00, 3rd Edition, Safety of Information Technology Equipment</li> <li>EN60825-1, Safety of Laser Products - Part 1: Equipment Class, Requirements, and User's Guide (2001)</li> <li>EN60950:2000, 3rd Edition, Safety of Information Technology Equipment</li> <li>IEC 60950-1(2001-10) Ed. 1.0 Information technology equipment - Safety - Part 1: General requirements</li> <li>Low Voltage Directive (73/23/EEC)</li> <li>UL 60950, 3rd Edition, Safety of Information Technology Equipment</li> </ul>	
<b>Electromagnetic Emissions Agency Certification</b>	<ul style="list-style-type: none"> <li>AS/NZS 3548:1995 (CISPR 22 Class A)</li> <li>EMC Directive (89/336/EEC)</li> <li>EN55022 Class A (CISPR-22 Class A)</li> <li>EN55024, Annex C for WAN Equipment Performance Criteria A, B, and C</li> <li>ETSI 300-386, Telecommunication Network Equipment; ElectroMagnetic Compatibility (EMC) requirements</li> <li>FCC Part 15 Class A</li> <li>IECS-003 Issue 3 Class A</li> <li>VCCI (Voluntary Control Council for Interference by Information Technology Equipment)</li> </ul>	

**Table A-1** ERX specifications (continued)

	ERX-1400 Series	ERX-700 Series
<b>Telecommunications Certification</b>	<ul style="list-style-type: none"> <li>• ACA TS 016-1997</li> <li>• CTR13 – Commission Decision of 9 July 1997 on a common technical regulation for attachment requirements for terminal equipment interface for connection to 2048 kbit/s digital structured ONP leased lines: 97/521/EC – OJ No. L215 Vol. 40, August 1997</li> <li>• CTR24 – Commission Decision of 9 September 1997 on a common technical regulation for attachment requirements for terminal equipment interface for connection to 34 Mbit/s digital unstructured and structured leased lines: 97/639/EC – OJ No. L271 Vol. 40, 3 October 1997</li> <li>• FCC PART 68</li> <li>• IECS-003 Issue 3 Class A</li> <li>• PD7024 – Essential requirements for terminal equipment intended for connection to unstructured digital leased circuits of the public telecommunications network using a CCITT recommendation G,703 interface at a rate of 2048 kbit/s with a 75 ohm unbalanced presentation, 1994</li> <li>• RTTE Directive (1999/5/EEC)</li> </ul>	

a.If the voltage rises above -40 VDC, the system will power off. The system will not power on again until the input voltage reaches -43 +/- 0.5 VDC.

