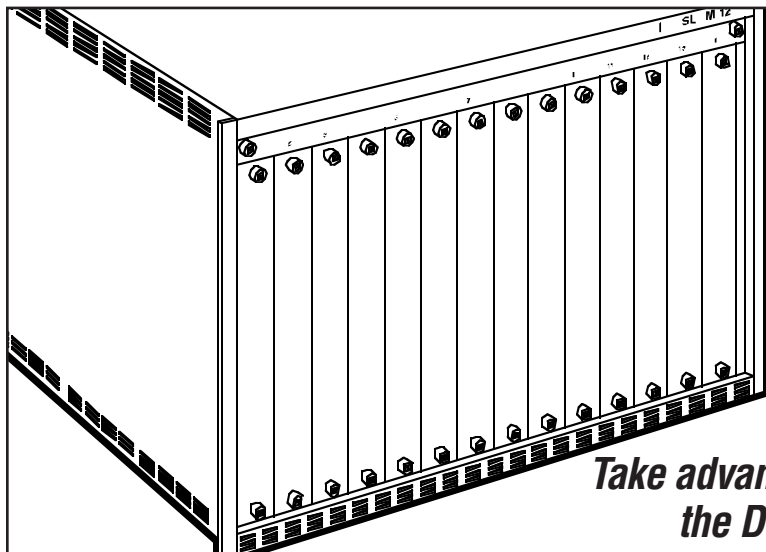


## DSLAM CHASSIS AND MODULES



*Take advantage of IP broadband service with the DSLAM Chassis and Modules.*

### Key Features

- ▶ **Increases available bandwidth.**
- ▶ **Plug-and-play configuration and operation.**
- ▶ **Access modules provide up to 144 DSL or T1/E1 lines each.**
- ▶ **Dual redundant multiplexor uplink modules.**
- ▶ **Redundant uplink interface modules.**
- ▶ **Redundant -48 VDC or AC power.**
- ▶ **Includes web-management system.**

The IP DSLAM chassis and modules deliver high-speed data and voice connections over existing telephone copper lines. The 2-x-12-slot DSLAM chassis uses multiple access technologies (IDSL, SDSL, T1, ADSL, etc.) for upstream delivery to the provider's packet network. The IP DSLAM chassis and modules achieve this in conjunction with a Subscriber Unit, which is used on the other end of the copper line at the customer premise.

The 2-x-12-Slot DSLAM Chassis has 14 slots. Slots 1 through 12 are reserved for Access Multiplexor Modules, and slot 13 and 14 are reserved for Uplink Interface Modules. You may place Access Multiplexor Modules in any order in slots 1 through 12. The DSLAM Chassis requires only one Uplink Interface Module; the second module is for

redundancy. When using only one Uplink Interface Module, it can reside in either slot 13 or 14. The chassis includes mounting ears for a standard 19" equipment rack, or you can use special mounting brackets that are available for 23" equipment racks. The management system accesses statistical and configuration data using a common Web browser.

The DSLAM is easy to manage, and if you're operating at default settings, no configuration is necessary. If you need to change the default parameters, the embedded management system lets you modify all configurable parameters. In addition, a contact database in the management system allows you to easily manage your DSL subscriber base.

IPPacket™ Technology optimizes Ethernet on the service network for IP, since there's no need to use ATM and Frame Relay on this portion of the network. Up to 20% more bandwidth previously used for transport overhead is available.

AutoIP™ Architecture delivers IDSL, SDSL, ADSL, and T1/E1 rapidly and with lower provisioning costs. It includes AutoSync line provisioning, AutoConfig configuration management, AutoRestore backup/recovery services, and AutoFilter traffic management. Together, these services deliver IP broadband service simply and easily.

# Specifications

**Slots:** LRA1200A-12: (14): (12 access module slots, 2 uplink module slots)

**Regulatory Compliance:** NEBS: Level 3; EMC: FCC Part 15, Class A; CSA/C108.8; CE; Safety: CSA C22.2 No. 950

**Indicators:**

LRA1205C, LRA1207C: Power, Link, RX, TX;

LRA1208A: Power, Link, RX, TX, Alarm;

LRA1215A: T1 Link, T1 Alarm, Power, 100-Mbps, Activity, Ethernet Link;

LRA1216A: DS3 Link, DS3 Alarm, Power, 100-Mbps, Activity, Ethernet Link;

LRA1217A: E1 Link, E1 Alarm, Power, 100-Mbps, Activity, Ethernet Link;

LRA1218A: E3 Link, E3 Alarm, Power, 100-Mbps, Activity, Ethernet Link

**Temperature Tolerance:**

Operating: 0 to 50°C (32 to 122°F); Storage: -40 to +70°C (-40 to +158°F)

**Humidity:** 5 to 95% noncondensing

**Altitude:** -61 to +4877 m (-200 to 16,500 ft.)

**Power:** AC: Requires external AC to -48 VDC power converter; DC: Dual -48 VDC terminal blocks, 30 amps maximum, 15 amps typical

**Size:** 40 x(9 rack units) 43.2 x 45.7 cm (15.75"H x 17"W x 18"D )

**Weight:** Chassis only: 21.3 kg (47 lb.)

# Why Buy From Black Box? Exceptional Value. Exceptional Tech Support.

Recognise any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase

price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.

# Ordering Information

ITEM	CODE
DSLAM Chassis	
2 x 12 slots .....	LRA1200A-12
12-Port Access Multiplexor Modules	
ADSL/G.Lite .....	LRA1204C
IDSL .....	LRA1205C
SDSL 1000.....	LRA1206C
SDSL 2000.....	LRA1207C
T1 .....	LRA1208C
E1 .....	LRA1209C
Multiplexor Uplink Module .....	LRA1203C
Uplink Interface Modules	
Fast Ethernet .....	LRA1210C
DS3.....	LRA1211C
E3.....	LRA1212C
T1 .....	LRA1213C
E1 .....	LRA1214C
Subscriber Units	
SDSL 2000 .....	LRA1200A-S
E1 .....	LRA1200A-E
T1 .....	LRA1200A-T
AC-DC Power Converter	
Single .....	LRA1200A-1PS
Dual .....	LRA1200A-2PS
T1 Backhaul Units	
1-Port.....	LRA1215A
12-Port.....	LRA1215A-12
12-Port with DC Power .....	LRA1215A-12-DC
DS3 Backhaul Units	
1-Port.....	LRA1216A
6-Port.....	LRA1216A-6
6-Port with DC Power .....	LRA1216A-6-DC
E1 Backhaul Units	
1-Port.....	LRA1217A
12-Port.....	LRA1217A-12
12-Port with DC Power .....	LRA1217A-12-DC
E3 Backhaul Units	
1-Port.....	LRA1218A
6-Port.....	LRA1218A-6
6-Port with DC Power .....	LRA1218A-6-DC



Black Box offers the best warranty program in the industry—Fido Protection®. For more information, request **FaxBack 22512**.