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iboss E-Rate 14700 Blade Chassis

Specification Sheet | 14700 Blade Chassis

The iboss E-Rate 14700 blade chassis provides the ability to house up to 14 iboss 14700 blade module's in a 4U form factor. The blade chassis simplifies cabling by minimizing network connectivity between the chassis and the network utilizing an uplink capable of up to 100 Gbps. In addition, the 14700 delivers power to the housed iboss 14700 blade modules with 500 GB of storage each, proving up to 7TB of caching storage within the 14700 blade chassis. The iboss E-Rate 14700 series appliances are E-Rate eligible and falls under Category 2 as the iboss 14700 blade chassis is responsible for distributing bandwidth and providing caching to devices and users within the school or library.

Physical Specifications	
Form Factor	4U rackmount chassis
Appliance Dimensions	7 in x 17.6 in x 32 in
Weight	140 lbs

Hardware Specifications	
Max Cache Size	Up to 7TB when 14 iboss 14700 blade modules (480GB cache) are populated into the chassis
Network Switch Module	4x 100G, 4x 40G, 16x 25G, or 16x 10G Ethernet uplinks
Blade Module Support	Up to 14 blades
Power Supply	4 x hot-swap high-efficiency 2200 W redundant fail-over power supplies

Environmental Specifications	
Maximum Power	4 x 2200 W
Rated Voltage	100 – 240 V
Rated Current	9.5 A – 11.8
Input Frequency	50 – 60 Hz
Heat Dissipation	31,280 BTU/h (7,820 BTU/h x 4 power supplies)
Operating Environment	• Temperature: 0° to 50° C (up to 5000 m) • Relative humidity: 90% operating
SKU/Description	14700-C7-NBC-14 iboss E-Rate 14700 Blade Chassis

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