

Ceros - Steps to Successful Ordering

This document defines the standard Ceros configuration, plus upgrade options. Please note that standard shipping times are same day for orders placed before 2PM Arizona time, overnight for RAID1 orders, and four days for upgraded CPUs.

Base Ceros Configuration

The Rhino Ceros is an Asterisk appliance that is optimized for 70 or more simultaneous telephone calls, whether SIP or TDM. The base Ceros components are:

- 3U tall Ceros custom chassis
- 19", 23" rack or wall mount removable ears, or rubber bumper feet
- AMD Athlon 3800+ CPU (AM2 socket)
- 1GB 667 MHz DDR2
- 80GB Western Digital or Seagate SATA Hard Drive
- Gigabyte GA-M61P-S3 or equivalent motherboard
 - four 32/33 PCI slots, two X1 PCI Express slots, one X16 PCI Express slot
 - GbE Ethernet, IEE 1394, 4 X USB, VGA, RS232, audio, PS2, parallel port
- 400W server grade 1U power supply
- Ceros Serial LCD interface
 - 4 X 40 character front panel display, five button navigation keypad

Ceros Upgrades

DDR2 Memory – up to four sticks of DDR2 memory can be inserted into the motherboard, for a total of 4GB. The base unit comes with 1GB standard. Upgrade with up to three additional memory sticks.

Hard Drive Capacity – 80GB standard hard drive can be upgraded to either 160GB or 250GB.

RAID1 – the Ceros can be configured as a software mirrored hard drive system with RAID1 operation. This potentially requires two steps:

- 1) upgrade the base HD to the desired capacity if 80GB is not the desired size (meaning that the requirement for 160GB or 250GB require this upgrades as the first step)
- 2) add the second hard drive of the same capacity as the first (RAID1 operation)

Please note that an additional 24 hours is required to build the RAID1 configuration.

CPU – the AMD processor can be upgraded to any processor that conforms to the AM2 socket specification. Since processor prices change daily, it is necessary for us to quote this upgrade. Lead time can be up four days for this upgrade.

Warranty and Return Policy

All our Rhino products come with a full 5-year limited warranty. Please request our limited warranty document if you are interested in our warranty statement. All Rhino products also have a **30-day**, no questions asked return policy.

Questions?

Please send all order or sales questions to: sales@rhinoequipment.com.