

F A Q

MegaMAX

1. What is MegaMAX?

MegaMAX is a Multiband MAX 6000 equipped with special software (MBX-SO-MGMX) that allows the Multiband MAX to aggregate (IMUX) up to four T1/E1/PRIs together in one data stream. The software is hash code enabled.

2. Can I use my existing T1 lines to support the MegaMAX application?

No, the MegaMAX software functions only with T1/PRI or E1 ISDN lines.

3. Do I have to use all 4 lines for the MegaMAX application?

No, the MegaMAX application will operate at whatever rate you configure. The application can add additional bandwidth, if configured to do so, but will not aggregate any more than set forth in the connection profile.

4. What network service works best with MegaMAX?

Tariffed multirate services such as HO, H11 from AT&T, and H12 internationally. MCI has a similar service but to our knowledge is not tariffed at this time.

5. What is HO, H11, and H12 service?

HO-Switched 384 Kbps service:

- Uses six contiguous channels on a PRI pipe
- Makes one call instead of six (unlike Nx64)
- The network does the synchronization and timing
- Separate "D" channel in PRI allows ISDN to use out-of-band signaling
- HO reduces usage costs by almost 50%

H11-Switched 1536 Kbps service:

- Uses all 24 channels on PRI pipe
- Separate "D" channel in PRI allows ISDN to use out-of-band signaling
- Requires NFAS signaling, minimum of two T1s
- Cost equivalent to eight DS0s

H12-Switched 2048 Kbps service:

- Uses all 30 channels on E1 pipe
- Separate "D" channel in E1 allows for out-of-band signaling

These services provide very fast call setup (since each channel does not have to be dialed separately) and substantial cost savings. A device using either of these services can also dial a device that is not using the service.

6. Can a standard MAX 6000 be upgraded to run the MegaMAX software?

Yes, however it must have the IMUX software package (MX-SP-IMUX—$2500) installed (hash code).
In addition, depending on the interface between the MAX 6000 and the DTE, a two-port IMUX card (MX-SL-2PMHP—$4,000) may be required. If the DTE is connected to the MAX via the 10/100 Ethernet port, then no card is required.

7. What are the primary applications for the MegaMAX product?

- **Broadcast industry**
  Providing high-speed dialup bandwidth for broadcast quality video

- **Distance learning**
  Sharing a broad range of information with those that seek knowledge; especially effective in the educational system

- **Telemedicine**
  Giving the customer and physician an alternative to diagnosing and treating ailments; provides doctors with the opportunity to seek a second opinion as well as advise on surgical procedures

- **Backup and overflow of Frame, other networks**
  An alternative to high-cost and underutilized dedicated backup lines for mission critical data

8. Can you telnet to the MegaMAX if the 10/100 Ethernet interface is being used to connect to a video codec?

Yes, if the MAX is on a routed network.

9. Can other applications be supported on the MegaMAX?

Yes, the Multiband MAX 6000 will allow other applications to function when the MegaMAX application is not in use. These other applications include the following:

- Video conferencing (inverse multiplexing)
- Backup for mission critical data networks
- Backup and overflow for data networks
- Remote access for telecommuters
- Internet/Intranet access
- FXS/POTS termination (modem, phone, fax, etc…)
- Additional PBX support (PRI-to-T1 conversion, and T1-Drop and Insert)
- Desktop video BRI support

10. What happens if I have another application running and then I want to use the MegaMAX application, will the MegaMAX application work? Will the application that is already running stop working?

The Multiband MAX 6000 functions the same as it always has—first come, first served. If an application is running, it will not stop to accommodate the MegaMAX application. However, if configured correctly, the MegaMAX will function but at a lower bandwidth. The application can increase its bandwidth when it becomes available, if configured to do so. If the MegaMAX is running and there is not enough bandwidth to support another application, then the application will not function until the MegaMAX application is no longer needed or the connection becomes inactive.

11. Can I configure the MegaMAX application to allow other applications to have priority over MegaMAX?

No, the Multiband MAX 6000 has no priority schemes. It operates on a first come, first served basis.

12. Can I disable the MegaMAX application?

Yes, the MegaMAX application simply uses a connection profile that is either active or inactive to launch the connection. The connection profile can be turned on or off via a Telnet session, or from a VT100 terminal connected to the RS232 serial port on the back panel of the Multiband MAX 6000.

13. Does the MegaMAX application run all the time?

Only if misconfigured. This application was developed so that customers can dial up on-demand, high-speed bandwidth for high-end video applications or high-throughput data applications. It would not be cost-effective to have switched digital services connected and active continuously. We recommend using dedicated trunks rather than switched services if a continuous connection is desired.

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