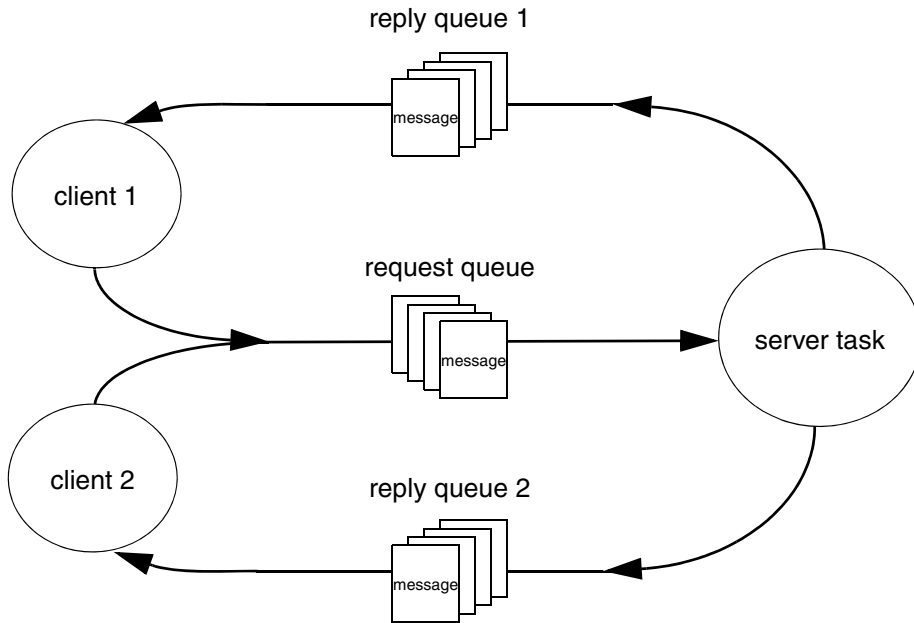


Figure 3-15 Client-Server Communications Using Message Queues



The same architecture can be achieved with pipes instead of message queues, or by other means that are tailored to the needs of the particular application.

### Message Queues and VxWorks Events

Message queues can send VxWorks events to a specified task when a message arrives on the queue and no task is waiting on it. For more information, see [3.3.7 VxWorks Events](#), p.121.

### 3.3.6 Pipes

*Pipes* provide an alternative interface to the message queue facility that goes through the VxWorks I/O system. Pipes are virtual I/O devices managed by the driver **pipeDrv**. The routine **pipeDevCreate()** creates a pipe device and the underlying message queue associated with that pipe. The call specifies the name of the created pipe, the maximum number of messages that can be queued to it, and the maximum length of each message: