

Odyssey OnLine Network and Bandwidth

Odyssey OnLine is a web-based application with graphical user interface, requiring broadband Internet access for PC workstations. Odyssey server and client software work together to minimize client-to-server transactions through local caching of static content and codes. When an update operation is performed, only data elements that were added or changed at the client are transmitted to the server. Additionally, when textual data is transmitted (HTML, XML, etc.), data compression is employed. These mechanisms combine to minimize bandwidth required for data entry and inquiry functions.

Additional bandwidth is required for File Transfer functions such as document imaging, document upload, forms processing, and mugshot capture. The amount of bandwidth needed is dependent upon volume of File Transfer activity and the size of individual files.

The following Internet bandwidth guidelines are intended to facilitate optimal performance with Odyssey OnLine during normal and peak usage. Due to the high level of variability in network environments, performance cannot be guaranteed based on bandwidth alone. Network design, PC specifications, and the stability of Client's Internet service all affect on-line software performance.

Bandwidth	Basic Data Entry / Inquiry	Data Entry / Inquiry plus Moderate* File Transfer Volume	Data Entry / Inquiry plus Heavy** File Transfer Volume
Dedicated Internet	Mbps	Mbps	Mbps
≤ 2 Odyssey Users	0.256 down / 0.128 up	1.0 down / 1.0 up	3.0 down / 3.0 up
Each Additional User	0.050 down / 0.025 up	0.100 down / 0.100 up	0.100 down / 0.100 up
Shared Internet	Mbps	Mbps	Mbps
≤ 5 Odyssey Users	1.5 down / 0.768 up	3.0 down / 1.5-3.0 up	4.5 down / 4.5 up
Each Additional User	0.064 down / 0.032 up	0.128 down / 0.128 up	0.128 down / 0.128 up
Local Area Network	100 Mbps	1000 Mbps	1000 Mbps

Moderate File Transfer Volume example – a Mugshot Capture Station processing 40 book-ins per day, or a front counter clerk who scans and uploads 20-30 documents per day (assuming b&w, max 300 dpi).

Heavy File Transfer Volume example – a full time file clerk who scans 100 or more documents per day.

Dedicated Internet – Users connect to Odyssey OnLine via a dedicated Internet connection exclusively reserved for that purpose.

Shared Internet – Everyday Internet usage, Email and third-party network applications compete with Odyssey OnLine for limited Internet bandwidth.