

ATTACHMENT A

The 7-XP™ System

The 7-XP board is similar to the X-PORTER™ in that it installs in a personal computer and executes Texas Instruments 990 or Business System applications. No changes or modifications to the applications are made. Therefore, the training and support of the applications are similar to the Business Systems. The differences between the two products are in the areas of performance and expansion capabilities.

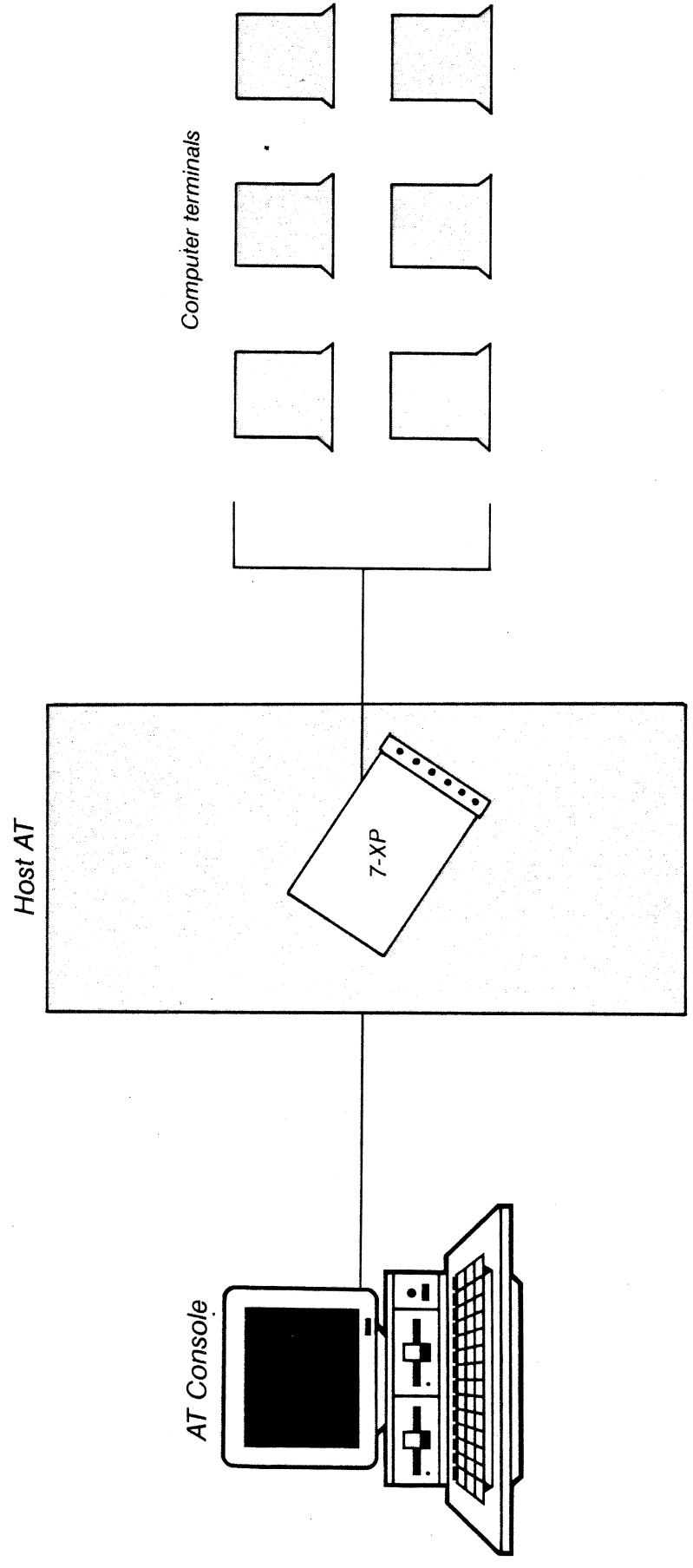
The 7-XP includes 1Mbytes of memory with an expansion option to add an additional 1Mbytes of memory. There are six communication ports directly off the back of the board. Ten X provides six 3 foot cables with one end being a DIN connector that plugs into our ports and a 25 PIN connector on the other end that plugs into the terminal cable. The console can also be run as a terminal, however, be aware that it visually runs slower than the terminals directly connected to the 7-XP and has a negative performance impact on the system if it performs much screen display.

The 7-XP achieves exceptional performance by using a Ten X custom designed VLSI Memory Management Unit. Memory is mapped similarly to the TI Business System; a particular task only uses the amount of memory needed to load that task into memory, i.e., a 12K task only takes 12K of memory versus 65K bank area in the X-PORTER. Better memory management allows more tasks to be resident for execution, preventing memory rollin/rollout. Procedures are now truly shared. The full 990 instruction set is implemented plus the /12 string instructions. Program overlays are cached which is a major performance factor for Timberline applications. The connected terminals normally run at 19.2K bps (maximum rate is 38.4K bps).

More of DX10 is functional on the 7-XP as compared to the X-PORTER. The DSRs for terminals and printers are the same as found on DX10.

Using a DOS software caching program speeds up Timberline applications by approximately 20%. "Lightning" by Personal Computer Support Group in Dallas, Texas, has been run effectively with Timberline applications.

Standard 7-XP Configuration



IBM AT or compatible with one 7-XP software transporter