Solutions

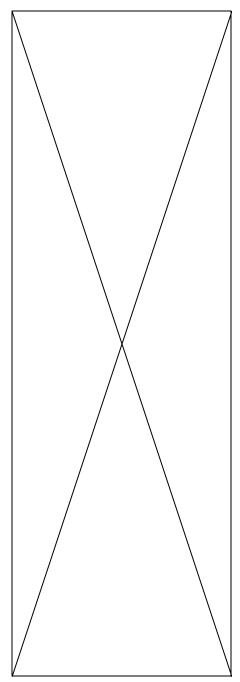### DCA MacIRMA LAN Servers SDLC Gateway and 802.2 Gateway

The MacIRMA family of products introduces two new local area network (LAN) solutions--DCA MacIRMA LAN SDLC Gateway Server and DCA MacIRMA LAN 802.2 Gateway Server[s]. With the MacIRMA LAN setup, Macintosh computers connected to an AppleTalk LAN can access an IBM SNA host. The server package includes gateway software (and hardware for SDLC) and MacIRMA WorkStation software. The gateway software and hardware run on an IBM PC, PC XT, PC AT, or PS/2, with the appropriate LAN adapter. MacIRMA WorkStation is installed at Macintosh workstations. Clients can use LocalTalk, EtherTalk, or TokenTalk media or mix them with the appropriate bridges or routers for their AppleTalk LAN. Once the software is installed (and hardware for SDLC), users can connect 16 or 64 concurrent users (depending on the version) to the MacIRMA LAN server gateway.

Each user can run up to five host sessions. Users needing to increase their concurrency rate can purchase an upgrade from DCA to convert from 16 to 64 concurrent users. With either gateway, users can distribute up to 128 host sessions to workstations without adding emulation hardware to each workstation. The MacIRMA LAN Servers also provide gateway administration support tools that give detailed information on the gateway's status. A gateway monitoring program called Net Util, comes in two versions -- one for the gateway PC and one for Macintosh workstations. There's also an Info option with MacIRMA WorkStation that gives workstation status. MacIRMA LAN SDLC Gateway 2 makes it possible for a LAN-attached PC or PS/2 to emulate an IBM 3274 or 3276 control unit. Macintosh computers on the LAN can access an IBM SNA host through this gateway.

There are two SDLC gateway hardware versions. The Personal Computer Architecture (PCA) version fits any full-size PC or PC AT slot. The Micro Channel Architecture (MCA) version fits any available IBM PS/2 Model 50, 60, 70, or 80 slot. Either card communicates with an IBM 3705, 3720, 3725, 3745, or compatible front-end processor with a synchronous modem. A point-to-point or multipoint connection can be used. The RS/232 connection supports speeds up to 19.2 Kbps (full- or half-duplex). The V.35 interface supports line speeds up to 72 Kbps (full- or half-duplex). Cables for RS-232 or V.35 are included. The 802.2 gateway fits into existing LAN environments, without requiring more PC hardware. The gateway communicates directly with the host by the IEEE standard LLC 802.2 protocol, and communicates with Macintosh LAN workstations using AppleTalk.

The 802.2 gateway provides a migration path to the 3270 token ring environment for existing non-token ring LANs, such as EtherTalk or LocalTalk. It supports up to two LAN adapters in the gateway PC. The token ring adapter provides 3270 host connectivity. Token ring or non-token ring hardware, such as Apple LocalTalk or 3Com EtherLink adapters can be used for the second adapter connecting to