

The LCCM Environment for a Novell NetWare Network

This Portable Document Format (PDF) document includes information necessary for the operation of LCCM within any networked environment. Within this PDF, you will find tables that detail which IBM clients systems are supported within this network operating system. Also, supported network interface cards (NICs) are listed here as well. LCCM requires certain levels of BIOS for both client hardware and network adapter to function properly. Please check the BIOS update list for proper BIOS levels.

Each supported client system has certain basic considerations necessary for successful admittance into an LCCM environment. Please check these considerations before installing a client in to an LCCM environment.

Information Breakdown

Supported Network Environments with Client Operating Systems

Supported Server Software and Client Systems

- Novell NetWare Servers (3.12, 4.1, 4.11)

Supported Network Adapters

BIOS Update

Special Client Considerations

LCCM Supported Network Operating Systems with Client Supported Operating Systems

Supported Client Operating Systems	Novell NetWare 3.12, 4.1, 4.11 (LCCM 1.1)
Windows 3.1	YES
Windows 95	YES
Window NT Workstation	

Network Operating Systems Details and Information

Novell NetWare

- Requires a Windows 95 or Windows NT 4.0 console.

Supported Server Software and Client Systems

The following information is a comprehensive listing of all IBM PC machines supported by LANClient Control Manager programs. Also, each IBM PC machine has an item labeled, "Considerations," which has corresponding link to a separate section within this document. These considerations detail the specified configurations and updates necessary for LCCM client compliance. Please check these considerations when employing LCCM and IBM PC machines within your network.

Novell NetWare Servers (3.12, 4.1, 4.11) and Supported Client Systems with LCCM, Version 1.1

IBM PC 300GL
(6272/6282)
[Considerations](#)

IBM PC 300GL
(6561/6591)
[Considerations](#)

IBM PC 300PL
(6562/6592)
[Considerations](#)

IBM PC 300XL
(6588)
[Considerations](#)

IBM
IntelliStation M Pro
(6888)
[Considerations](#)

IBM
IntelliStation Z Pro
(6899)
[Considerations](#)

IBM PC 365
(6589)
[Considerations](#)

IBM PC 330/350
(6577/6587)
[Considerations](#)

IBM PC 730/750
(6877/6887)
[Considerations](#)

IBM
ThinkPad 770
(9548/9549)
[Considerations](#)

Supported Network Adapters

ETHERNET ADAPTERS

IBM EtherJet ISA 10BASE-T Wake On LAN

- Supported by LCCM version 1.1 for RPL and Novell NetWare only
- Not supported by IBM ThinkPad 770 with SelectaDock III

On-board IBM 10BASE-T

- Standard on some models of IBM PC 300GL (6272/6282)

Intel EtherExpress PRO/100 Adapter with Wake On LAN

- Supported by IBM IntelliStation Z Pro (6899) only

Integrated Intel 82557-based 10/100 PCI Ethernet

- Standard feature on IBM PC 300XL (6588) and IBM PC 300PL (6562/6592)

IBM 100/10 EtherJet PCI Adapter Wake On LAN

- Can be used with all clients supported by LCCM
- RPL flash EPROM (P/N 86H2856) required

Token Ring Adapters

IBM Auto Wake ISA Token-Ring Adapter

- This adapter requires the latest [token-ring flash update](#)
- IBM PC 300GL (6591, 6561)
- IBM PC 300PL (6862, 6892)

IBM PCI Wake On LAN Token-Ring Adapter

- This adapter requires the latest [token-ring flash update](#)
- Not supported by IBM ThinkPad 770 with SelectaDock III

BIOS Update

The following BIOS updates are required for use with LCCM:

- IBM PC 300 GL (6272/6282) with integrated 10BASE-T Ethernet controller (Crystal 8920) -- Version 24 or higher
- IBM PC 300 GL (6561/6591) -- Version 24 or higher
- IBM PC 300PL (6562/6592) -- Version 19 (LSA2) or higher
- IBM PC 300XL (6588) -- Version 14 (LSA2) or higher
- IBM PC 330 and 350 (6577/6587) -- Version 33 or higher
- IBM PC 365 (6589) -- Version 34 or higher
- IBM IntelliStation M Pro (6888) -- Version 14 or higher
- IBM IntelliStation Z Pro (6899) -- Version 14 or higher

To get BIOS updates for the above models and those models not listed here visit the *Personal Computer File Library*.

Network Card Flashes:

- Ethernet Flash for IntelliStation Z Pro (6899)
- IBM Auto Wake ISA Token-Ring Adapter flash
- IBM PCI Wake On LAN Token-Ring Adapter flash

Client Systems Considerations

IBM PC 300GL (6272/6282)

- Obtain the latest BIOS update

IBM PC 300GL (6561/6591)

- LCCM for NetWare users need to obtain LCCODE.LST

IBM PC 300PL (6562/6592)

- Obtain the latest LSA2 BIOS update

IBM PC 300XL (6588)

- Obtain the latest LSA2 BIOS update

IBM IntelliStation M Pro (6888)

- Obtain the latest BIOS update

IBM IntelliStation Z Pro (6899)

- Obtain the Ethernet flash to set the network boot to RPL.
- Obtain the latest BIOS update

IBM PC 365 (6589)

- Obtain the CMOSUTIL.EXE file. You must copy this file to the BIOS flash diskette before using LCCM's "Read BIOS Flash Diskette" feature to make a BIOS Update image.
- Obtain the latest BIOS update

IBM PC 330/350 (6577/6587)

- Obtain the CMOSUTIL.EXE file. You must copy this file to the BIOS flash diskette before using LCCM's "Read BIOS Flash Diskette" feature to make a BIOS Update image.
- Obtain the latest BIOS update

IBM PC 730/750 (6877/6887)

- The following features of LCCM are not supported on this model:
 - a. Updating CMOS settings over the network
 - b. Updating BIOS over the network
 - c. Setting, changing, and deleting an administrator password over the network

IBM ThinkPad 770 (9548/9549)

- This model must be installed in a SelectaDock III docking station with a supported Wake on LAN network adapter installed. The Wake On LAN feature will not work with earlier SelectaDock docking stations.
- The following features of LCCM are not supported on this model:
 - a. Updating CMOS settings over the network
 - b. Setting, changing, and deleting an administrator password (PAP) over the network
- This model requires unique considerations when using LCCM. Please obtain the LCCM Training and Procedures Guide Supplement for further instructions.