

Lenovo ThinkVision L1711p Flat Panel LCD Monitor

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At a glance



The new Lenovo® ThinkVision® L1711p LCD monitor offers:

- Viewable image size: 17.0 in (432 mm)
- Brightness: 250 cd/m2 (typical)
- Contrast ratio: 1000:1 (typical)
- Viewing angles
 - Horizontal:
 - 160° (contrast ratio greater than 10:1)
 - 170° (contrast ratio greater than 5:1)
 - Vertical:
 - 160° (contrast ratio greater than 10:1)
 - 170° (contrast ratio greater than 5:1)
- Response time: 5 ms (typical)
- Power consumption: Up to 30% less power consumption than conventional LCD monitors with the same size and resolution
- Environmentally-responsible:
 - 50% less mercury content than conventional LCD monitors with the same size and resolution
 - TCO 5.0 compliance
 - Rated EPEAT Gold
- Display native resolution of 1280 x 1024 (automatically scales lower resolution to fill the screen)
- Tilt, and height adjustable stand

- Attached 1.8-meter VGA cable
- Includes a 1.8-meter DVI-D cable
- Direct access for automatic image setup, brightness, and input select
- Bezel width: 15.3-mm
- Analog and digital system attachment
- Internal power 18 watts power consumption (typical)
- 100-mm Video Electronic Standards Association (VESA) standard for mounting
- Kensington lock slot
- Available in business black

Overview

The ThinkVision L1711p is an environmentally-friendly choice at an affordable price. The L1711p utilizes Lenovo's environmental efforts with increased energy efficiency, 65% recycled plastics, 70% recycled packaging materials, arsenic-free glass, and 26% of the total weight of all plastics consist of post-consumer content plastic resins¹. With a standard resolution of 1280 x 1024, this monitor is compatible with most business applications and meets most usage needs for a variety of business environments. The ThinkVision L1711p produces quality images at 96 dpi, has both analog and digital connections, and includes a stand with tilt and height adjustments for a customized work environment. The L1711p monitor is rated EPEAT Gold in the US, UK, France, Germany, China, Japan, and others².

The Lenovo ThinkVision L1711p is a member of the ThinkVision Performance Series family of monitors. It is best suited for those who spend long periods of time at the computer or in multiple-monitor environments that use advanced business applications. The incorporated ThinkVantage® design enhances usability and makes the monitor easy to use. Complementing the design of the ThinkPad® and ThinkCentre® systems, the Lenovo ThinkVision L1711p includes attachment for the optional ThinkVision Soundbar (sold separately).

Features and benefits

- 17.0-inch (432-mm) viewable image size
- Native resolution of 1280 x 1024
- Internal power with 18 watts / 21 watts power consumption (typical/ maximum)
- Up to 30% less power consumption and 50% less mercury content than conventional monitors of the same size and resolution
- ThinkVantage design
 - Tilt and height adjustable stand for optimum viewing comfort
 - Direct access button for automatic image setup and brightness allows quick and easy monitor setup
 - Analog and DVI-D video signal connectors
 - High Definition Content Protection (HDCP) support
 - ENERGY STAR 5.0 compliant
 - Kensington Lock slot for security
 - TCO 5.0 compliance
 - Rated EPEAT Gold
 - Attachment points for optional ThinkVision Soundbar
 - Direct access for input selection allows easy movement between applications when attached to two systems simultaneously
 - Matching design to ThinkPad, ThinkCentre, and ThinkStation® systems
- Analog and digital connectors allow attachment flexibility
- Dual input connectors allow attachment to two systems simultaneously
- Certified for Microsoft® Windows® Vista

- Meets 100 mm VESA standard for mounting
- Detachable base for wall- or arm-mounting (sold separately)
- Available in business black

¹ As defined by EPEAT verification criteria for calculation of post-consumer recycled content. Many plastic parts used in this product consists of (by weight) 65% post-consumer content from sources like home appliances, computers, vehicles, and office equipment.

² EPEAT registration status varies by location. For a complete country list, visiting <http://www.epeat.net>

Planned availability date

November 6, 2009

Description

VESA high refresh video signal timings

The ThinkVision L1711p LCD monitor supports a wide range of display modes, including a selection of the VESA timings of incoming video signals at up to 75 Hz (non-interlaced) for the following screen resolutions:

- 640 x 480
- 800 x 600
- 1024 x 768
- 1280 x 1024

Appropriate video-adaptor hardware and software must be installed in the attaching system unit (not included).

VESA Display Data Channel (DDC)

The ThinkVision L1711p LCD monitor supports the DDC protocol to level Command Interface (CI). Basic configuration information can be passed to a system unit from its attached monitor. Often referred to as Plug and Play, the protocol enables a DDC-enabled system unit to automatically configure the video adapter to drive the attached monitor at its optimum display mode without end-user intervention. For best use, the attaching system unit must also be hardware- and software-enabled for DDC operation.

The capabilities of the monitor are held in nonvolatile monitor memory in an encoded format. The data is received from the monitor by the system unit during boot-up and system configuration.

The EDID data sent by the monitor to the attached system unit also includes the monitor's serial number and other identification information. This can be held in the system unit until requested; for example, by a department LAN administrator needing to assess the location of all equipment connected to the LAN.

Date information transmitted in the monitor EDID data conforms to VESA EDID standard V2. This requires the year of manufacture (YOM) to be stored in a one-byte field as an offset from 1990 as derived from the following equation:

Value stored = (YOM - 1990)

Year of manufacture	Value stored
2004	14
2005	15
2006	16

2007	17
2008	18
2009	19

An international industrial standard by the name of DDC/CI was developed by VESA to expand upon an existing DDC standard. This new standard adds control functionality without the need for additional connections.

The main advantage of DDC/CI is its bi-directional communication structure between PC and monitor, which does not require a separate cable. All data are transmitted in both directions via the video graphics card and the standard VGA or DVI signal cable. This capability allows for functions like monitor control, adjustments, and diagnostics to be conducted via software using the mouse and keyboard. In an enterprise or firm, this capability also allows the potential of remote diagnostics and asset management by a technician via the LAN. Customer-supplied software is needed to implement these functions.

International Organization for Standardization (ISO)/DIS 9241

ISO/DIS 9241-307 ensures ergonomic requirements are met when the ThinkVision L1711p LCD monitor forms part of an ISO-compliant system. ISO/DIS 9241-307 is an international standard addressing ergonomic factors for flat-panel displays.

ISO-capable elements do not necessarily make an ISO-compliant system when put together. To satisfy the requirements of 9241-307, a complete platform must be tested and must comply with all applicable elements of ISO 9241-307. The platform includes:

- System unit
- Operating system
- Fonts
- Video subsystem
- Monitor
- Keyboard
- Mouse

When all contributing platform components satisfy their portion of the requirements, as verified by the required total system testing, the platform is ISO 9241-307 compliant.

Low frequency electromagnetic emissions

The ThinkVision L1711p LCD monitor meets the Swedish Board for Technical Accreditation (SWEDAC) MPR-2 requirements. MPR-2 is a guideline developed by the SWEDAC to limit the electromagnetic emissions and electrostatic fields generated by workstations.

Electric and magnetic fields with frequencies between 5 Hz and 2 kHz are called extremely low frequency (ELF) fields. Those with frequencies between 2 kHz and 400 kHz are called very low frequency (VLF) fields.

TCO 5.0 compliance

- Environment
- Ergonomics
- Usability
- Reduction of electric and magnetic fields
- Energy consumption
- Electrical safety

VESA Display Power Management Signaling (DPMS)

The ThinkVision L1711p LCD monitor meets ENERGY STAR power consumption requirements through implementation of the DPMS protocol. For effective power management, the attaching system unit must also be hardware- and software-enabled for DPMS operation.

HelpWare

HelpWare® is a comprehensive set of service and support offerings for a more productive and enjoyable computing experience. Many HelpWare services are included with the purchase of your Lenovo system, and additional services are available from the HelpWare support family.

Technical characteristics

Feature	Thinkvision L1711p LCD monitor
Monitor Size	17.0-in (432-mm) LCD
Viewable image size	17.0 in/ 432 mm
Maximum viewable area (W x H)	338 x 270 mm
Native resolution	1280 x 1024
Brightness (typical)	250 cd/m2
Contrast (typical)	1000 : 1
Colors	16.7 million
Horizontal Viewing Angle	160 degrees (at 10:1 contrast ratio)
Vertical Viewing Angle	160 degrees (at 10:1 contrast ratio)
Response time (typical)	5 ms
Pixel pitch	0.264 mm
Video input	15-pin D and DVI-D
Signal cable - 15-pin D	1.8 m
Signal cable - DVI-D	1.8 m
Tilt	3 degrees forward 20 degrees backward
Height adjustment	110 mm
Soundbar Attachment	Thinkvision Soundbar
Kensington Lock slot	Yes
User controls	Digital
Lockable controls	Yes
OSD	Yes
OSD languages	8
Preset display modes	17
User defined display modes	22
VESA DDC capable	2B/CI
ISO 9241-307	Yes
Power management capable	Yes - VESA DPMS
Power supply	Universal voltage (100 to 240 vac)
Power cord	1.8 m (detachable)
JEIDA compliance	Yes
FCC B compliance	Yes
TUV-GS	Yes
MPR-2 emission compliance	Yes
TCO 5.0 Environmental Label	Yes
EU Directive 2002/95/EC (RoHS)	Yes
EU Directive 2002/96/EC (WEEE)	Yes
REACH	Yes
EuP ²	Yes

² Directive: 2005/32/EC Standard: COMMISSION REGULATION (EC) No 1275/2008 (ANNEX I point 2 for ITE product).

On-Screen Display (OSD) menu control

Digital user controls are located on the front bezel, to the left of the power on/off pushbutton. Adjustments are made in conjunction with the on-screen displays. After adjustments are made, with exception of brightness, contrast, and auto adjust, the controls can be locked to prevent further changes. User setup values are stored automatically. For ease of use, there is direct access for auto setup and brightness.

Monitor controls and features include:

- Brightness/contrast
- Image position:
 - Horizontal position
 - Vertical position
- Image setup:
 - Automatic
 - Manual
- Image properties:
 - Color
 - Input signal
- Options:
 - Information
 - Menu language
 - Menu position
 - Factory default
 - Accessibility
- Exit

Indicators

The power indicator LED indicates the operational state of the monitor:

LED indicator	L1711p operating state
Steady Green LED	Normal operation
Amber	Active off
Flashing Green	Frequency out of range

A 'No Connection Check signal cable' message appears on the screen whenever the monitor detects no incoming video signal.

Accessibility by people with disabilities

A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

<http://www-03.ibm.com/research/accessibility/requests/accvpat.nsf/lenovo-bidx?OpenForm>

Section 508 of the U.S. Rehabilitation Act

The new ThinkVision L1711p LCD monitor is capable, as of September 16, 2008, when used in accordance with associated Lenovo documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

Product positioning

The Lenovo ThinkVision L1711p Wide LCD monitor is part of the ThinkVision Performance Series flat-panel LCD monitor family. The flat-panel LCD family includes ThinkVision Performance and Lenovo Essential monitors. Lenovo Essential Series offers quality monitors at affordable prices. ThinkVision Performance Series monitors include p and x models. The p models offer a wide range of adjustability, while x models add other specialized features, such as USB connectivity, wider viewing angles, and automatic pivot adjustment.

Monitor	Machine type	Monitor size	Viewable image size	Addressability (horizontal by vertical)
Lenovo Essential				
D186 wide	2580	18.5-inch	18.5 inch (470 mm)	1366 x 768
D185 wide	6318	18.5-inch	18.5 inch (470 mm)	1366 x 768
L2060 wide	2120	20.1-inch	20.1 inch (511mm)	1600 x 900
L215 wide	6325	21.5-inch	21.5 inch (546mm)	1920 x 1080

ThinkVision Performance

L151	9165	15.0-inch	15.0-inch (381 mm)	1024 x 768
L174	9227	17.0-inch	17.0-inch (432 mm)	1280 x 1024
L1700p	9417	17.0-inch	17.0-inch (432 mm)	1280 x 1024
L1711p	5047	17.0-inch	17.0-inch (432 mm)	1280 x 1024
L197 wide	4434	19.0-inch	19.0-inch (481 mm)	1440 x 900
L1940p wide	4424	19.0-inch	19.0-inch (481 mm)	1440 x 900
L1900p	4431	19.0-inch	19.0-inch (483 mm)	1280 x 1024
L2250p wide	2572	22.0-inch	22.0-inch (569 mm)	1680 x 1050
L2251p wide	2572	22.0-inch	22.0-inch (569 mm)	1680 x 1050
L2240p wide	4422	22.0-inch	22.0-inch (569 mm)	1680 x 1050
L2251x wide	2578	22.0-inch	22.0-inch (569 mm)	1680 x 1050
L2440p wide	4420	24.0-inch	24-inch (610 mm)	1920 x 1200
L2440x wide	4421	24.0-inch	24.0-inch (610 mm)	1920 x 1200

ThinkVision flat-panel monitors by application:

Application/Usage	Size/Resolution	Product
General Purpose: Rugged, back office or infrequent usage	15" (1024 x 768) 17" (1280 x 1024) 19" wide (1440 x 900)	L151 L174 L197 wide
Advanced Business: Business & mobile users with office	17" (1280 x 1024) 19" (1280 x 1024) 19" wide (1440 x 900) 22" wide (1680 x 1050) 24" wide (1920 x 1200)	L1700p, L1711p L1900p L1940p wide L1951p wide L2240p wide L2250p wide L2251pwide L2440p wide
Specialized Usage: Narrow/slim head or bezel, most environmentally responsible offerings with bright vivid images	22" wide (1680 x 1050)	L2251x wide

Product number

For pricing information, refer to the [Prices](#) section.

Description	Machine type/model	Part number	Code (UPC/EAN/JAN)
Lenovo ThinkVision L1711p	5047-HB2	5047HB2	884942-33819-9

Technical information

Specified operating environment

Physical specifications

Dimensions and weight of the monitor and stand:

Parameter	Unpacked	Packed
Height	16.0 inch (405.7 mm)	5.94 inch (151 mm)
Width	14.6 inch (370.0 mm)	16.61 inch (422 mm)
Depth	6.1 inch (155.2 mm)	17.65 inch (456 mm)
Weight	9.3 lb (4.21 kg)	12.7 lb (5.77 kg)

Operating environment

Conservation: Energy can be saved by switching monitors off overnight and whenever they are not in use for extended periods during the day.

Power requirements

- Input voltage: 100 to 240 V ac +/- 10%
- Frequency: 50/60 Hz +/-3 Hz
- Power consumption:
 - Normal use: < 18 watts typical³
 - VESA standby: < 1 watts
 - VESA suspend: < 1 watts
 - VESA off: < 0.5 watt
- Maximum earth leakage current:
 - < 3.5 mA at 264 V
 - < 0.25 mA at 100 V

³ Typical power consumption is tested under EPA 5.0 standard. Actual power consumption depends on the chosen display mode, the images displayed, and user control settings.

Ambient temperature and relative humidity

Parameter	Temperature	Relative Humidity	Altitude
Operating	10 to 45 deg.C	10 to 80 %	0 to 8,000 ft (2,438.4 m)
Shipping	-20 to 60 deg.C	5 to 95 %	0 to 40,000 ft (12,192 m)
Storage	-20 to 60 deg.C	5 to 95 %	0 to 40,000 ft (12,192 m)

Acoustics: Declared acoustical noise emissions LWAU = 4.5 bels or less. The noise emission level stated is the declared (upper limit) A-weighted sound power level, in bels, for a random sample of monitors. All measurements are made in accordance with ANSI S12.10 and reported in conformance with ISO/DIS 7779.

Emissions: All models meet emission category A requirements of Swedish Standard of MPR-2.

All models meet the Swedish Board for Technical Accreditation (SWEDAC) emission guidelines contained in MPR 1990:10 when tested using the MPR 1990:08 test method.

The model meets the TCO 5.0 Environmental Label from the Swedish Confederation of Professional Employees (TCO), and the emission, power management, and electrical safety requirements of the TCO 5.0 Environmental Label.

Ergonomics

Compliance to the ISO standard ISO/DIS 9241-307 ensures ergonomic requirements are met when the monitor forms part of an ISO-compliant system.

Regulatory agency approvals

- EMI/Safety:
 - UL (U.S.)
 - CSA/cUL (Canada)
 - IEC950 CB Report
 - NEMKO (Norway)
 - SEMKO
 - DEMKO (Denmark)
 - FIMKO (Finland)
 - TUV
 - CCC (China)
 - NOM
 - SASO
 - GOST
 - PSB (Singapore)
 - BSMI
 - JEITA
 - Australia
 - Jordon
 - UL-S (Argentina)
 - FCC B (U.S.)
 - IC (Canada)
 - CE (Europe)
 - KC (Korea)
 - VCCI Class B (Japan)
 - New Zealand
 - South Africa
 - Cambodia
 - Serbian

Environmental/energy/ergonomic/compatibility approvals

- TCO 5.0
- MPR-2 (Sweden)
- ISO 9241-307
- ENERGY STAR 5.0 (U.S.)

- Microsoft Logo - Windows XP/Vista
- RoHS
- WEEE
- e-Standby (Korea)
- REACH
- EuP

Hardware requirements

The ThinkVision L1711p LCD monitor is intended to operate with system units or video adapters that generate a video output signal falling within the ThinkVision L1711p specification:

Parameter	Thinkvision L1711p
Maximum addressability (pixels)	1280 x 1024
Maximum pixel rate (MHz)	165

The ThinkVision L1711p supports VESA Standard Timings as detailed in "Display Monitor Timing Specification," Version 1.0, Revision 0.8, dated September 17, 1998, for the following modes:

- VGA: 640 x 480 at 60, 66, 72 and 75 Hz
- SVGA: 800 x 600 at 60, 72 and 75 Hz
- XGA: 1024 x 768 at 60, 70 and 75 Hz
- SXGA: 1280 x 1024 at 60, 70, 72 and 75 Hz

The ThinkVision L1711p also supports the following modes:

- 640 x 350 at 70 Hz
- 720 x 400 at 70 Hz

Software requirements

The ThinkVision L1711p monitor features factory-preset display modes. The actual display modes used depend on the attaching system unit, the operating system, and application software. Software supporting the L1711p monitor include:

- Microsoft Windows XP Professional
- Microsoft Windows Vista
- Microsoft Windows 7

Factory-preset PC display modes

Addressability (H x V Pixels)	Incoming Video Refresh Rate
640 x 350	70 Hz
640 x 480	60 Hz
640 x 480	66 Hz
640 x 480	72 Hz
640 x 480	75 Hz
720 x 400	70 Hz
800 x 600	60 Hz
800 x 600	72 Hz
800 x 600	75 Hz
1024 x 768	60 Hz
1024 x 768	70 Hz
1024 x 768	75 Hz
1280 x 1024	60 Hz
1280 x 1024	70 Hz
1280 x 1024	72 Hz
1280 x 1024	75 Hz

- User modes: 22

The factory-preset modes cannot be overwritten, but can be adjusted to personal choice. The new settings are stored automatically in one of the user locations and are recalled each time that mode is used. The factory settings for the mode in use, if any, can be restored by operating the reset control.

Information about the current incoming display mode is shown in the on-screen displays. However, it is displayed at the LCD panel's optimum refresh rate of 60 Hz.

It may be necessary to make some adjustments to the displayed image to compensate for variations in video signal timings. The user controls can be used to make these adjustments.

Compatibility

The ThinkVision L1711p monitor is supplied with a detachable 1.8 m (5.9 ft) video signal cable. The two cables included are: 15-Pin D-shell analog cable and a DVI-D digital cable.

This monitor has been tested with ThinkCentre and ThinkPad systems and is compatible with systems and graphics adapters which comply with the relevant parts of "VESA and industry standards and guidelines for computer display monitor timing" Version 1.0 Revision 0.8, adopted September 17, 1998. Supported display modes and number of colors are a function of the attaching system unit. The full range of display modes, refresh rates, and number of colors available with this monitor may not be available or supported with all combinations of system units, their operating systems, and application software. Implementation of monitor Plug and Play follows the VESA DDC standard. This standard must also be implemented in the attaching system unit hardware and software to be effective.

Limitations

- Supported display modes are a function of the attaching system unit and video subsystem. The full range of display modes available with these monitors may not be available or supported with all combinations of system units, their operating systems, video adapter cards, and application software.
- Horizontal- and vertical-synchronization signal timings are critical in order to achieve acceptable screen images. As a consequence, support for all possible variations in H- and V-sync timings for any display mode cannot be assumed.
- Adjustment of the user controls to enlarge the image to its maximum size requires that the signal timings of the display mode being used fall within the monitor-timing specifications.
- The number of colors shown in any display mode will exceed 16 million and dependent on the capabilities of the video adapter in the system unit.
- The ThinkVision L1711p provides FCC class B - residential installation - compliance in all display modes.
- Implementation of monitor power management follows the VESA DPMS standard. This standard must also be implemented in the attaching system unit hardware and software for monitor power management to be effective. The system implementation must provide user-adjustable, power-down delay periods. The monitor power management function is invoked only after appropriate signals are received from an attached system unit or video adapter.
- Implementation of monitor Plug and Play follows the VESA DDC standard. This standard must also be implemented in the attaching system unit hardware and software for monitor Plug and Play to be effective.
- Certain functions require the system unit to be similarly configured, so all monitor functions may not be enabled when attached to a particular system unit.
- The Lenovo ThinkVision L1711p meets the ISO 9241-307 Pixel Defect Standard.
- Use of 50% gray background is not recommended since some users may experience undesirable FOS effects.
- The Auto-Setup "test pattern" can be used with Windows 3.1, Windows NT® 3.5, Windows NT 4.0, Windows 95, Windows 98, Windows 2000, Windows XP, Window Vista, and DOS 7.0 only.

Planning information

Customer responsibilities

The monitor is designated as customer setup. Instructions are provided in the *User's Guide*.

Cable orders

No additional cables are required. A 1.8-m (5.9-ft) power cord appropriate to the country will be supplied by Lenovo.

Shipment group

- One monitor
- Attached lift, and height adjustment stand
- Attached 1.8-meter (5.9-ft) analog video signal cable(15-pin D to 15-pin D)
- Detached 1.8 meter digital (DVI-D to DVI-D) cable
- Power cord
- CD containing multilingual user's guide, setup test pattern, and .INF file
- Setup poster
- Safety, troubleshooting, and warranty guide

With the exception of the models for U.S., Canada, and Japan, the power cords (based on the country order code) are supplied by distribution centers.

Security, auditability, and control

These products use the security and auditability features of the system unit to which they are attached.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

Terms and conditions

IBM Global Financing

No

To obtain copies of the Lenovo Statement of Limited Warranty, contact your reseller or Lenovo.

In the United States, call 800-426-7378 or write to:

Warranty Information
1009 Think Place
Morrisville, NC 27560
Attn: Dept ZPYA/B3.

Warranty period

Three years

Warranty service

Customer Carry-in or Mail-in using Rapid Replacement Service

If warranty service is required, call the Customer Support Center. The Customer Support Center will assist with problem determination and initiate shipment of a replacement unit, if needed, to the customer's location by express delivery. For calls

received by 5:00 p.m. customer's time, in most cases, the replacement unit will arrive within two business days (excluding holidays). The replacement unit becomes the property of the customer in exchange for the failed unit, which becomes the property of Lenovo. Pack the failed unit into the shipping carton that contained the replacement unit and return to Lenovo.

Transportation charges, both ways, are paid by Lenovo.

Failure to use the carton in which the replacement unit was received could result in charges incurred by the customer for damage to the failed unit during shipment.

International Warranty Service (IWS)

IWS is available during the warranty period to customers who travel or relocate to countries where their computer is sold and serviced by a Service Provider authorized to perform warranty service. Eligible Lenovo computers are identified by their four-digit machine type.

You can obtain IWS through the method of service, such as CRU, depot, carry-in or on-site, provided in the servicing country. Service methods and procedures vary by country, and some service or parts may not be available in all countries. Service centers in certain countries may not be able to service all models of a particular machine type. In addition, some countries may have fees and restrictions that apply at the time of service.

Note: Due to the earth's magnetic field, CRT monitors are manufactured to work in northern, southern, and equatorial regions of the earth and may not produce a satisfactory image when moved between them. Any required adjustment (if possible) is not covered under IWS and may be subject to a chargeable action. The magnetic field does not affect flat-panel LCD monitors and ThinkPad LCD displays.

Licensing

Programs included with this product are licensed under the terms and conditions of the license agreements that are shipped with the system.

ThinkPlus and Lenovo Care Maintenance Services

Warranty and maintenance options

The announced products may be eligible for ThinkPlus® and Lenovo Care Maintenance Services, convenient prepackaged offerings for warranty service upgrades and maintenance services.

Refer to the [Prices](#) section for information on the availability of ThinkPlus and Lenovo Care Maintenance Services.

Field-installable features

No

Model conversions

No

Machine installation

Customer setup. Customers are responsible for installation according to the instructions Lenovo provides with the machine.

Graduated program license charges apply

No

Licensed internal code and licensed machine code

This product does not contain licensed internal code or licensed machine code.

Prices

For product descriptions, refer to the [Product number](#) section.

Description	Order number	List price*
ThinkVision	5047HB2	\$229.99

* List price does not include tax or shipping and is subject to change without notice. Reseller prices may vary.

ThinkPlus Services for warranty and maintenance

The following offerings apply to model HB2 of machine type 5047.

Description	Medium Large Flat Panel (17")	ThinkPlus part number
3-year IOE 9 x 5		41C9209
3-year IOE 24 x 7 4-hour average response		41C9212
4-year IOE 9 x 5		41C9231
4-year IOE 24x7 4-hour average response		41C9232

ThinkPlus MA for post warranty

Description	Medium Large Flat Panel (17")	ThinkPlus part number
1-year IOR 9 x 5 NBD		41C9308
1-year IOR 24 x 7		41C9309
2-year IOR 9 x 5 NBD		41C9326
2-year IOR 24 x 7		41C9327

For additional ThinkPlus Services information, visit

<http://www.partner.us.pc.ibm.com>

Lenovo Services is the preferred, authorized warranty service, warranty service upgrade, and post-warranty service provider for Lenovo products (excluding mainland China).

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