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WINDOWS VISTA 32-BIT SUPPORT FOR CURRENT LAVA PRODUCTS

Microsoft's Windows Vista operating system requires that drivers be updated for a number of LAVA products. This document identifies the level of support for each currently-shipping or recent LAVA product, and details additional information to assist in making products work in Windows Vista (32-bit version).

LAVA products have three levels of support for operation under Microsoft Windows Vista: 1) products with support currently available; 2) products that cannot be supported; and 3) products that are not currently supported but will receive support in the future.

NOTE: In some cases, support differences exist between chipset versions of the same product. Instances are identified in the "Notes" column of the tables below. When "S1" ASIC is referred to, you can identify this chip by looking for the text "PN MOKO - S1" on the chip with a LAVA logo silkscreened onto it. When "S2" ASIC is referred to, you can identify this chip by looking for the text "PN MOKO - S2" on the chip with a LAVA logo silkscreened onto it.

The following products **ARE SUPPORTED** in Microsoft Windows Vista 32 bit.

LAVA Products SUPPORTED in Microsoft Windows Vista

Product	Description		Notes
Serial PCI			
SSerial-PCI	One 9-pin port, 16550 UART	DOWNLOAD	S1 & S2 ASICs
SSerial-PCI/LP	One 25-pin port, 16550 UART, low-profile	DOWNLOAD	S1 & S2 ASICs
RS422 SS-PCI	One 9-pin port, 16550 UART, RS-422 pinout	DOWNLOAD	S1 & S2 ASICs
LavaPort-650	One 9-pin port, 16650 UART	DOWNLOAD	S1 & S2 ASICs
DSerial-PCI	Two 9-pin ports, 16550 UARTs	DOWNLOAD	S1 & S2 ASICs
DSerial-PCI/LP	Two 9-pin ports, 16550 UARTs, low-profile	DOWNLOAD	S1 & S2 ASICs
DSerial-PCI 3.3V	Two 9-pin ports, 16550 UARTs, for 3.3 volt PCI, PCI-X	DOWNLOAD	supported
DSerial-PCI Powered	Two 9-pin ports, 16550 UARTs, 5 & 12 VDC powered ports	DOWNLOAD	S1 & S2 ASICs
DSerial-PCI O/S2	Two 9-pin ports, 16550 UARTs, for O/S2 [PCB identifier text: "O/S2 Ready"]	DOWNLOAD	S2 ASIC only; needs "mf.sys" installation
LavaPort-PCI	Two 9-pin ports, 16650 UARTs	DOWNLOAD	S1 & S2 ASICs
Quattro-PCI	Four 9-pin ports, 16550 UARTs	DOWNLOAD	S2 ASIC only; needs "mf.sys" installation
Quattro-PCI 3.3V	Four 9-pin ports, 16550 UARTs, for 3.3 volt PCI, PCI-X	DOWNLOAD	supported
Quattro-PCI/LP	Four 9-pin ports, 16550 UARTs, low profile	DOWNLOAD	S2 ASIC only; needs "mf.sys" installation
Quattro-PCI Powered	Four 9-pin ports, 16550 UARTs, 5 & 12 VDC powered ports	DOWNLOAD	S2 ASIC only; needs "mf.sys" installation
LavaPort-Quad	Four 9-pin ports, 16650 UARTs	DOWNLOAD	S2 ASIC only; needs "mf.sys" installation
Octopus-550	Eight 9-pin ports, 16550 UARTs	DOWNLOAD	S2 ASIC only; needs "mf.sys" installation

Serial ISA			
SSerial-550	One 25-pin port, COM 1-4, 16550 UART	DOWNLOAD	supported
LavaPort-ISA	One 9-pin port, COM 1-4, 16650 UART	DOWNLOAD	supported
DSerial-550	Two 9-pin ports, COM 1-6, 16550 UARTs	DOWNLOAD	supported
RS422-550	Two 9-pin ports, 16550 UARTs, RS-422 pinouts	DOWNLOAD	supported
Combo PCI Boards			
SP-PCI	One 9-pin serial port, 16550 UART, one 25-pin bi-directional parallel port	DOWNLOAD	S2 ASIC only; needs "mf.sys" installation
Combo ISA Board			
2SP-ISA	Two serial ports (9 & 25 pin), 16550 UARTs, IRQ2/3/4/5/10/11/12/15, COM 1-4; one 25-pin bi-directional parallel port, LPT 1-2, IRQ 5/7	DOWNLOAD	supported
Parallel PCI I/O Boards			
Parallel-PCI	One 25-pin Enhanced Parallel Port (EPP)	DOWNLOAD	supported
Parallel-PCI 3.3V	One 25-pin Enhanced Parallel Port (EPP), for 3.3 volt PCI and PCI-X	DOWNLOAD	supported
Parallel-PCI/LP	One 25-pin Enhanced Parallel Port (EPP), low-profile	DOWNLOAD	supported
Parallel ISA I/O Boards			
Parallel Bi-directional	One 25-pin, 8-bit bi-dir. port, LPT 1-3, IRQ 5/7/none	DOWNLOAD	supported
Ether-Serial Links			
ESL 1-DB9-232	Single RS-232 IP-enabled 9-pin serial port	DOWNLOAD	supported
ESL 1-RJ45-232	Single RS-232 IP-enabled 10-pin RJ-45 serial port, power on pin 10	DOWNLOAD	supported
ESL 1-DB9-422	Single RS-422 IP-enabled 9-pin female serial port	DOWNLOAD	supported
ESL 2-DB9-232	Dual RS-232 IP-enabled 9-pin serial ports	DOWNLOAD	supported
ESL 2-RJ45-232	Dual RS-232 IP-enabled 10-pin RJ-45 serial ports, power on pin 10	DOWNLOAD	supported
ESL 2-DB9-422	Dual RS-422 IP-enabled 9-pin female serial ports	DOWNLOAD	supported
ESL 4-DB9-232	Four RS-232 IP-enabled 9-pin serial ports	DOWNLOAD	supported
ESL 4-RJ45-232	Four RS-232 IP-enabled 10-pin RJ-45 serial ports, power on pin 10	DOWNLOAD	supported
ESL 4-DB9-232-CBL	Four RS-232 IP-enabled 9-pin serial ports, fanout cable	DOWNLOAD	supported
ESL 5-DB9-232-EMB	Five RS-232 IP-enabled 9-pin serial ports, for embedded applications	DOWNLOAD	supported
ESL 8-DB9-232-CBL	Eight RS-232 IP-enabled 9-pin serial ports, fanout cables	DOWNLOAD	supported
ESL 8-RJ45-232	Eight RS-232 IP-enabled 10-pin RJ-45 serial ports, power on pin 10	DOWNLOAD	supported
ESL 16-DB9-232-CBL	Sixteen RS-232 IP-enabled 9-pin serial ports, fanout cables	DOWNLOAD	supported
DataTap-IP			
DataTap-IP 2-DB9-232	Dual RS-232 IP-enabled 9-pin serial ports w. serial-to-serial & serial-to-Ether-net pass-through	DOWNLOAD	supported
HQ-ST Link			
HQ Unit 1-DB9F-232	RS-232 serial-to-IP connection to ST units; head office polls remote locations	DOWNLOAD	supported
ST Unit 1-DB25F-232	RS-232 serial-to-IP connection to HQ unit; remote location responds to head office polling	DOWNLOAD	supported

ATM-IPLink			
ATM-IPLink/232	Single RS-232 IP-enabled 9-pin serial port with SSL Ver. 3.0, reverse dialing capable	DOWNLOAD	supported
ATM-IPLink/Dial	Single IP-enabled RJ-11 POTS port with SSL Ver. 3.0, reverse dialing capable	DOWNLOAD	supported
PayLink-IP			
PayLink-IP/232	Single RS-232 IP-enabled 9-pin port w. SSL Ver. 3.0	DOWNLOAD	supported
PayLink-IP/Dial	Single IP-enabled RJ-11 POTS port w. SSL Ver. 3.0	DOWNLOAD	supported

“MF.SYS” INSTALLATION

A number of LAVA devices install ports as multifunction devices. The software support in Windows Vista for multifunction devices was however omitted by Microsoft in Windows Vista, where it had been included by default in earlier Windows versions. For multifunction devices to install properly in Windows Vista, users first must download and install Microsoft’s “mf.sys” file according to the instructions available on the Microsoft web site at:

<http://support.microsoft.com/kb/926171>

The following LAVA products **DO NOT OPERATE** in Windows Vista, and, due to the hardware requirements of Vista, will not be supported in the future for Windows Vista use.

LAVA Products NOT SUPPORTED in Microsoft Windows Vista		
Product	Description	Notes
Serial PCI		
DSerial-PCI O/S2	Two 9-pin ports, 16550 UARTs, for O/S2 [PCB identifier text: “O/S2 Ready”]	S1 ASIC not supported
Quattro-PCI	Four 9-pin ports, 16550 UARTs	S1 ASIC not supported
Quattro-PCI/LP	Four 9-pin ports, 16550 UARTs, low profile	S1 ASIC not supported
Quattro-PCI Powered	Four 9-pin ports, 16550 UARTs, 5 & 12 VDC powered ports	S1 ASIC not supported
LavaPort-Quad	Four 9-pin ports, 16650 UARTs	S1 ASIC not supported
Combo PCI Boards		
SP-PCI	One 9-pin serial port, 16550 UART, one 25-pin bi-directional parallel port	S1 ASIC not supported

The following products are **not currently supported** in Microsoft Windows Vista, but with hardware modifications may receive support in the future

LAVA Products NOT CURRENTLY SUPPORTED in Microsoft Windows Vista		
Product	Description	Notes
Combo PCI Boards		
2SP-PCI	Two serial ports (9 & 25 pin), 16550 UARTs, one 25-pin EPP parallel port	no current support
LavaPort-Plus	Two serial ports (9 & 25 pin), 16650 UARTs, one 25-pin EPP parallel port	no current support
Parallel PCI I/O Boards		
Dual Parallel-PCI	Two 25-pin Enhanced Parallel Ports (EPPs), both ports share one IRQ	no current support

NOTE ON WARRANTY SUPPORT FOR LEGACY LAVA PRODUCTS OPERATING UNDER WINDOWS VISTA

As the hardware requirements of Windows Vista prevent some legacy LAVA products from operating, we do not support these products under warranty in this environment and will not in the future.

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