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About This Manual

This manual describes the AlphaPC 164LX motherboard, a module for computing systems based on the Alpha™ 21164 microprocessor and the companion Digital Semiconductor 21174 core logic chip. It describes the motherboard's features and how to set its configuration jumpers. This manual helps users to install and populate the AlphaPC 164LX motherboard with memory modules and peripheral cards.

1.1 Manual Conventions and Terminology

The following conventions are used in this manual.

Caution: Cautions indicate potential damage to equipment, software, or data.

Note: Notes provide additional information about a topic.

Numbering: All numbers are decimal or hexadecimal unless otherwise indicated. In case of ambiguity, a subscript indicates the radix of nondecimal numbers. For example, 19 is a decimal number, but 19_{16} and 19A are hexadecimal numbers.

Extents: Extents are specified by a single number or a pair of numbers in square brackets ([]) separated by a colon (:), and are inclusive. For example, bits [7:3] specify an extent including bits 7, 6, 5, 4, and 3. Multiple bit fields are shown as extents.

Register Figures: Register figures have bit and field position numbering starting at the right (low-order) and increasing to the left (high-order).

Signal Names: All signal names are printed in **boldface** type. Signal names that originate in an industry-standard specification, such as PCI or IDE, are printed in the case as found in the specification (usually uppercase). Active low signals have either a pound sign “#” appended, or a “not” overscore bar; for example, **DEVSEL#** and **RESET**.

Manual Conventions and Terminology

Italic Type: *Italic* type emphasizes important information and indicates complete titles of documents.

Terms: The following terms are used in this manual:

This term...	Refers to...
Microsoft Windows NT installation guide	The Microsoft <i>Windows NT Workstation Installation Guide</i> and the <i>Windows NT Server Installation Guide</i> .
Windows NT	The Microsoft Windows NT Workstation and the Windows NT Server operating systems.