
NWGQ7.E145541

**Information Technology Equipment Including Electrical Business
Equipment Certified for Canada**

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ECHELON CORP
550 MERIDIAN AVE
SAN JOSE, CA 95126 USA

E145541

Accessory ethernet adapters, Model(s) 72001, 72002.

Accessory network adapters SLTA-10, Model(s) 73301, 73302, 73303, 73304, 73351, 73352, 73354, 73381, 73382, 73383, 73384, 73401, 73402, 73403.

Accessory PCLTA-20 PCI Lontalk adapters, Model(s) 7440x.

Accessory PCLTA-21 PCI Lontalk adapters, Model(s) 74501, 74502, 74503, 74504.

Accessory PLM10, -22, -30 power line modular transceivers, Model(s) 77090, 77162, 77180.

iLON 100 Internet servers, Model(s) 72101FT, 72102FT 56K Analog Modem, 72103PL, 72104PL 56K Analog Modem.

iLON 600 LonWorks/IP Server, Model(s) 72601-FT-10, 72602-TPT/XF-1250, 72603-FT-10, 72604-TPT/XF-1250.

Internet adapters, "ilon 10", Model(s) 72010FT, 72011PL.

Power line coupling circuits, "78200 Type", Model(s) PL-10 CM 240 VAC, PL-10 DM 240 VAC, PL-10L-E 120V, PL-10L-E 240V, PL-10L-N 240V, PL-20 CM 240 VAC, PL-20 DM 240 VAC, PL-20L-E 120V, PL-20L-E 240V, PL-20L-N 240V, PL-30 DM 240 VAC, PL-30L-N 240V.

Power line coupling circuits, Model(s) 78200, 78200 Type PL-10 CM 115 VAC.

Power line serial LONTALK adapters PL-SLTA, Model(s) 76000, 76100.

x - Represents any number from 1 through 5

NWGQ7.GuideInfo

Information Technology Equipment Including Electrical Business Equipment Certified for Canada

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Guide Information for Electrical Equipment for Use in Ordinary Locations Certified for Canada

GENERAL

This category covers equipment, appliances and systems rated 600 V or less normally found in offices, and other business establishments, residences (homes), educational facilities, and other similar environments classified as ordinary locations.

EQUIPMENT TYPE

Equipment may be electronic or electromechanical in design or a combination thereof.

Various groupings of equipment are included for the manufacturers, such as:

Information processing equipment: automated information storage equipment, central processing units (CPUs), disk drives, fiber optic transceivers, hand-held computers (personal assistants), laptop computers, monitors, personal computers, plotters, printers, point-of-sale terminals, scanners, including portable barcode scanners, tape drives, work stations.

Telecommunication equipment: cellular site equipment, cordless telephone sets, facsimile machines, ISDN systems and telephones, modems, key telephone systems, private automated branch exchanges (PABXs), telephone answering machines, telephone sets, voicemail systems, wireless telephony systems.

Office appliances: adding machines, bursters, calculators, collators, dictation and transcribing machines, electric typewriters, erasers, folding, embossing and sealing machines, label printers, microfilm readers, motor-operated file cabinets, paper cutters, paper shredders, pencil sharpeners, sorters, stackers, staplers.

Reproduction equipment: copiers, duplicating machines, microfilm printers, mimeograph machines.

Mailing, banking and currency-handling equipment: cash registers, coin counters, -feeders, -dispensers, accounting machines, check-writing, -assigning, -dating, inserting, -mailing, -numbering and -stamping machines, point-of-sale terminals.

Multi-media equipment/accessories: CD-ROM/RW drives, digital cameras, microphones, speakers, video conferencing systems.

Network equipment: baluns, bridges, hubs, nodes, repeaters, routers, switches, transceivers.

PC card accessories: PCMCIA-memory, -modem cards.

Wireless (RF, infrared) transceiving equipment: RF modems, hand-held computers with integral transceivers.

Static neutralizing equipment: power units with discharge bars used with or within copiers, collators, film plate processors, digital printers, duplicating machines and similar equipment.

Interconnecting cable assemblies: cable assemblies intended for use beneath raised floors of computer rooms.

Included within the above groupings is equipment which is battery powered, either by standard size consumer replaceable batteries (e.g., AA, C, D), or nonstandard sizes specified by manufacturer, type and ratings.

This category also covers power distribution units (PDUs) and computer power centers, which are investigated as part of the computer system for use exclusively in computer rooms.

This equipment is connected to branch circuits, and it distributes power to other units in the computer system by means of interconnecting cable assemblies complying with one or more of the wiring methods outlined in CAN/CSA-C22.1, "Canadian Electrical Code, Part I" (CEC). Many of these units require special installation, such as a separate transformer, special grounding methods, motor generator equipment, air conditioning, etc. Such features are covered in the manufacturer's installation instructions.

RELATED EQUIPMENT

Power distribution centers for communications equipment are covered under Power Distribution Centers for Communications Equipment Certified for Canada (QPOY7).

Power supplies for information technology and telecommunications equipment are covered under Power Supplies, Information Technology Equipment Including Electrical Business Equipment Certified for Canada (QGGQ7) and Power Supplies, Telephone Certified for Canada (QQJE7).

Static neutralizing equipment may be covered under Static Neutralizing Equipment Certified for Canada (VWWZ7). High voltage parts that may be accessible after installation have been investigated as Limited Current Circuits.

Filing cabinets covered under this category have not been investigated with respect to fire resistance or security. Fire resistant filing cabinets are covered under Record Protection Equipment Certified for Canada (RYPH7).

Other equipment associated with information technology/processing but not intended for use in offices, residences or computer rooms may be found under Graphics Arts Equipment Certified for Canada (KCQT7), Teaching and Instruction Equipment Certified for Canada (WYFW7), Medical and Dental Equipment, Professional Certified for Canada (KFBQ7), Marking and Coding Equipment, Electronic Certified for Canada (PGBE7), Photographic Equipment Certified for Canada (QINT7) and X-ray Equipment Certified for Canada (ZQOR7). Other multi-media equipment and accessories may be found under Audio/Video Apparatus Certified for Canada (AZSQ7) and Audio and Video Equipment Certified for Canada (AZUJ7). Other telecommunications appliances and equipment may be found under Telephone Appliances and Equipment Certified for Canada (WYQQ7).

Modular assemblies of telecommunication equipment (e.g., racks, circuit card assemblies) which are designed for field installation by trained service personnel are covered under Custom-Built Telecommunication Equipment Certified for Canada (WYKM7).

SPECIAL CONSIDERATIONS

Card readers, badge readers and similar identification equipment covered under this category have not been investigated with respect to security.

The burglary and theft protection features of coin-operated equipment, banking and currency handling equipment, cash registers, coin counters and the like have not been investigated under this category.

Products in this category are intended for installation and use in accordance with the CEC and the instructions are on or with the equipment.

INSTALLATION

Some equipment has been investigated for installation in a restricted access location, such as a dedicated equipment room or telecommunication equipment closet, where access is limited to trained service personnel. Such equipment is provided with a marking or installation instructions which state "To be installed only in a Restricted Access Location" or similar wording. If also intended for installation over a concrete or noncombustible surface, such equipment will also be marked "Suitable for mounting on concrete or other noncombustible surface only" or similar wording.

When Listed equipment intended for use with a detachable power supply cord is not provided with such a cord, a cord suitable for connection of the equipment to the branch circuit is to be separately provided.

Equipment intended to be installed in closed and multi-unit standard racks and cabinets has been determined to be suitable for use in ambient temperatures not exceeding the manufacturer's recommended ambient temperature as specified in the equipment's installation instructions.

Equipment identified with an enclosure type designation, or as "Raintight" or "Rainproof" is intended for use as indicated in Electrical Equipment for Use in Ordinary Locations Certified for Canada (AALZ7).

PHYSIOLOGICAL EFFECTS

The physiological effects of chemical substances used in or with this equipment have not been investigated.

The long-term characteristics or the possible physiological effects of radio frequency (RF) electromagnetic fields associated with this equipment have not been investigated. Hand-held transportable RF products with interconnect to the telecommunication network through RF transmitters/receivers are additionally investigated for short-term characteristics to ANSI/IEEE C95.1-1999, "Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz."

ACCESSORIES

Field-installed accessories to Listed equipment are provided with suitable markings and/or instructions detailing proper installation or assembly of the accessory with either a specified or generic Listed equipment specified in the marking or instructions.

ADDITIONAL INFORMATION

For additional information, see Electrical Equipment for Use in Ordinary Locations Certified for Canada (AALZ7).

REQUIREMENTS

The basic standards currently used to investigate products in this category are CAN/CSA C22.2 No. 60950 or CAN/CSA C22.2 No. 60950-1, "Safety of Information Technology Equipment," or CAN/CSA C22.2 No. 60950-21, "Safety of Information Technology Equipment - Remote Power Feeding," as appropriate. The ability or reliability of these products to perform their intended function in a particular application has not been investigated.

UL MARK

The Listing Mark of Underwriters Laboratories Inc. on the product is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL Mark for Canada symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and one of the following category identifiers: "Information Technology Equipment," "NWGQ7," "I.T.E.," or "Info. Tech. Equip.," and may also include one of the following product names: "Copier," "Modem," "Paper Shredder," "Personal Computer," "Cordless Telephone," or other appropriate product name as shown in the individual Listings.

The product identifier for field-installed accessories is provided with the additional word "Accessory."



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