

# Innovations Design & Engineering Awards

## Product Categories

This guide is provided to assist you with placing your product in the appropriate category when completing your entry form. The product categories are arranged as shown below, with the **Main Category** in orange boldface and examples, sub-categories, or definitions listed beneath each Main Category. The main category in which your product best fits is the category you should select in the web-based entry form. If you have further questions about product categories, please contact Roz Graham, [innovations@ce.org](mailto:innovations@ce.org). Please note that the judges may move your product to another category.

### Accessories

#### Audio

- Antennas
- Wires & Cables
- Cassette Care Products
- CD Care Products
- CD-R and CD-RW (Stand-Alone)
- Disc-Based Micro Storage Devices
- Headphones
- Karaoke
- Microphones
- Solid State Memory Devices (Compact Flash)
- Storage Products
- Universal Remote Controls
- Other Audio Accessories
- Blank Media
  - Type I Standard Bias
  - Type II High Bias
  - Type IV Metal Bias
  - Recordable CD
  - Recordable DVD
  - MiniDisc
  - Solid State Memory Devices (Compact Flash)
  - Disc-Based Micro Storage Devices
  - Other Audio Blank Media

#### Digital Camera Accessories

- Batteries
- Carrying Cases
- Film
- Memory
- Other Digital Camera Accessories

#### Digital Imaging/Video Editing Accessories

- Carrying Cases
- Tripods
- Lens Cleaners
- Cables
- Lights
- Photo Quality Paper
- Other Digital Imaging/Video Editing Accessories

### Accessories (cont'd)

#### Home Theater

- Mounting Equipment/Brackets
- Audio Cables
- Video Cables
- Cup Holders
- Remote Controls
- Other Home Theater Accessories

#### Mobile/Vehicle Electronics

- Cabling
- Insulation
- Mounting
- Other Mobile/Vehicle Accessories

#### Video

- Antennas
- Blank Media
  - Standard VHS
  - VHS-C
  - 8mm
  - Recordable DVD
  - Solid State Memory Devices (Compact Flash)
  - Disc-Based Micro Storage Devices
  - CD-R/CD-RW
  - Other Video Blank Media

- Cable TV Set-Top Boxes
- Camcorder Accessories
- Connectors
- Digital TV Converter Cards
- DTV Set-Top Decoders
- DVD Recordable
- Remote Controls
- Rewinders
- Signal Modifiers
- Storage Products
- Wires & Cables
- Other Video Accessories

### Retailing CE Accessories

Innovative approaches to selling accessories for consumer electronics products.

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## Product Categories

### Assistive Technologies

Assistive technologies is any piece of equipment device, or software that may be used by a person with a disability to perform specific tasks, improve functional capabilities, and become more independent.

- Independent living aids, devices, features, and design
- Computer access software, hardware, features, and design
- Mobility aids, devices, features, and design
- Communication aids, devices, features, and designs
- Aids, devices, features, and designs that help people carry out work-related tasks.
- Sensory aids, devices, features, or designs that enhances usable hearing or vision and/or provide an alternative
- Adaptive switches used to control computers, environmental controls, adaptive toys, communication devices, etc.
- Therapeutic aids, devices, features and designs that assist in therapy treatments

### Audio

- Audio Systems
  - Rack Systems
  - Compact/Shelf Systems
  - Home Theater in a Box
  - Other Audio Systems
- DJ Equipment
  - Mixing Boards
  - Pre-amps
  - Amplifiers
  - Speakers
  - Headphones
  - Turntables
  - CD/DVD Equipment
  - Other DJ Equipment
- Karaoke
  - Tape Based
  - CD Based
  - Other Karaoke
- Professional Audio
  - Mixing Boards
  - Pre-amps
  - Amplifiers
  - Speakers
  - Accessories
  - Other Professional Audio
- Satellite Radio
  - Receivers
  - Accessories
  - Other Satellite Radio
- Other Audio Products

### Audio Components

- Amplifiers
- Cassette Decks
- CD Players
- Equalizers
- Receivers
- Tuners
- Turntables
- DVD Audio Players
- MiniDisc Players/Recorders
- Home-Based Internet Audio Devices (MP3)
- SACD Players
- CD-R and CD-RW (Stand-Alone)
- Preamplifiers
- Solid State Memory Devices (Compact Flash)
- Disc-Based Micro Storage Devices
- CD Changers
- Multimedia Control Centers
- Other Separate Components
- Speakers
  - Floor
  - In Wall
  - Outdoor
  - Shelf
  - Subwoofers
  - Wall Mount
  - Wireless
  - In-Ceiling
  - Surround Sound Packages
  - Other Speakers

### High Performance Audio

- Audio Software
- Separate Components
- Speakers
- Other High Performance Audio Products

### Portable Audio

- Personal Headsets
- Portable Stereo/Boombox
- Radios
- Tape Recorders
- Internet Audio Devices (Incl. MP3)
- MP3 & CD Combo Units
- Other Portable Audio Products

### Computer Accessories

- Blank Media
  - Floppy Disks
  - Back-Up Tape
  - CD-R/CD-RW
  - Magneto Optical
  - Zip Drive Cartridges

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### Computer Accessories (cont'd)

- Recordable DVD
- Solid State Memory Devices (Compact Flash)
- Disc-Based Micro Storage Devices
- Other Computer Blank Media
- Cables & Connectors
- Cable Modem Equipment
- Carrying Cases
- Cleaning & Care
- Data Projectors
  - LCD Based
  - DLP Based
  - Ultra Portable
  - Other Data Projectors
- DSL Modems
- Ergonomic Products
  - Wrist Rest Bar
  - Mousepad with Integrated Wrist Rest
  - Foot Stool/Riser
  - Other Ergonomic Products
- Fax/Modems
  - Internal
  - External
  - Other Fax/Modems
- Keyboards
  - Wired Keyboards
  - Wireless Keyboards
  - Flexible Keyboards
  - Other Keyboards
- KVM (Keyboard/Video/Mouse) Switches
- Microphones
- Microprocessor Upgrades
- Monitor Glare Screens
- Mousepads
- Magneto Optical Drives
- Multimedia Speakers
- PC-Based Cameras
- PC-Based Subwoofers
- PC Cooling Products
- Printer Cartridges/Toner
- Power Adapters
- Windows/PC Based Software
  - Informational
  - Entertainment
  - Educational
  - Business Productivity
  - Other Windows/PC Software
- MacOS Based
  - Business Productivity
  - Educational
  - Entertainment
  - Informational
  - Other MacOS Based Software

### Computer Accessories (cont'd)

- Hand-Held PC, Palmtop, PDA Devices
  - Business Productivity
  - Educational
  - Entertainment
  - Informational
  - Other Hand-Held PC, Palmtop, PDA Software
- Linux Based
  - Business Productivity
  - Educational
  - Entertainment
  - Informational
  - Other Linux Based Software
- Other Computer Software
- USB Hubs and Converters
- Uninterruptable Power Supplies (UPS)
- Other Computer Accessories
- RAM
- Storage Products
- Surge Suppressors
- Supplemental Power Systems
- Tape Drives

### Computer Components

- CD-ROM Drives and Kits
  - Internal CD-ROM
  - External CD-ROM
  - CD/CD-R/CD-RW/DVD-ROM
  - Other CD-ROM Drives and Kits
- Computer Cards
  - PC Cards
  - Sound Cards
  - Audio Mixing Boards
  - Video Capture Boards & Plug-Ins
  - MPEG Boards
  - Radio Cards
  - Television Cards
  - Digital TV Converter Cards
  - Other Computer Cards
- DVD Drives and Kits
  - DVD-ROM
  - DVD-RAM
  - DVD-RW/DVD-RW+
  - Other DVD Drives and Kits
- Expansion Docks & Adapters
  - Port Replicators
  - Other Expansion Docks & Adapters
- Hard Drives
  - Internal
  - External USB
  - External Firewire
  - Other Hard Drives
- PC Enclosures

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## Product Categories

### Computer Components (cont'd)

- PC Motherboards
- Pointing Devices
  - Wired Mouse
  - Wireless Mouse
  - Optical Mouse
  - Graphic Tablets
  - Other Pointing Devices
- Other Computer Hardware
- Smart Displays
- Video Graphics Cards
  - VGA/XGA/WGA
  - Built-in TV Tuner
  - Video Editing
  - Dual Tuner
  - Other Video Graphics Cards
- Desktop Computers
  - Windows OS
  - Mac OS
  - Linux OS
- Other Desktop Computers
- Hand-Held PC, Palmtop, PDA Devices
  - Pocket PC/Windows CE Based
  - PalmOS Based
  - MacOS Based
  - Linux Based
  - Other Hand-Held PC, Palmtop, PDA Devices
- Computer Monitors
  - CRT Screen Displays
  - LCD Screen Displays
  - Other Monitors
- Notebook Computers/Tablet PCs
  - Intel Processor Based
  - Linux OS
  - Mac OS
  - Windows OS
  - Other Notebook Computers
  - Transmeta Processor Based
  - Other Tablet PC
- Printers/Scanners
  - Bubble Jet
  - Dot Matrix
  - Inkjet
  - Monochrome Laser
  - Color Laser
  - Other Printers
  - USB Based Scanners
  - SCSI Based Scanners
  - Parallel Port Based Scanners
  - Business Card Scanners
  - Film Scanners
  - Flatbed Scanners
  - Firewire Based Scanners
  - Other Scanners

### Digital Imaging

- 24mm Equipment
- 35mm Equipment
- APS Equipment
- Digital Cameras
- Digital Photograph Printers
- Other Photographic Equipment
- Digital Video Capture Devices
  - PC-Based Video Cameras
  - Digital Still Cameras
  - Digital Camcorders
  - Other Digital Video Capture Devices
- Digital Video Editing Software
  - Mac OS
  - Windows OS
  - Linux OS
  - Other Digital Video Editing Software
- Digital Imaging/Video Editing Peripherals
  - Scanners
  - Color Laser Printers
  - Color Inkjet Printers
  - Other Digital Imaging/Video Editing Peripherals
- Digital Imaging/Video Editing Media
  - Solid State Memory (Compact Flash)
  - Disc-Based Micro Storage
  - Digital Video Tape
  - Other Digital Imaging/Video Editing Media
- Other Digital Imaging/Video Editing
- Film/Video Production (Professional Grade)
  - Audio Equipment
  - Cameras and Lighting
  - Compression
  - Computer Hardware
  - Converters, Encoders, Synchronization Tools
  - Graphics and Animation
  - New Media/Streaming Media
  - Presentation and Videoconferencing
  - Service Provider
  - Storage and Networking
  - Test and Measurement Equipment
  - Video Editing/Compositing/Special Effects
  - Video Routing and Distribution Equipment
  - Other Video/Film Production

### Eco-Design

Innovative features incorporated into consumer electronics products that make them safe for the environment, i.e., efficient and clean energy use; manufacturing processes that reduce use of environmentally relevant substances (e.g., lead, mercury); durability/end-of-life (reuse, refurbish, remanufacture, recycle); resource conservation.

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## Product Categories

### Electronic Gaming

- Carrying Cases
- Cords & Cables
- Joysticks/Controllers
- Storage Products
- Memory Upgrades
- Other Electronic Gaming Accessories
- On-Line Based Gaming Software
  - Free
  - Subscription Based
  - Other On-Line Based Gaming Software
- Other Electronic Gaming Systems/Consoles
  - Cartridge Based Hardware
  - CD-ROM Based Hardware
  - DVD Based Hardware
  - Internet Capable Hardware
  - Other Systems
- Software
  - Cartridge Based Software
  - CD-ROM Based Software
  - DVD Based Software
  - Other Software
- Virtual Reality
  - Hardware
  - Software
  - Other Virtual Reality

### Home Appliances

- Microwave Ovens
- Housewares
- Air Conditioners
- White Goods
  - Refrigerators
  - Ovens
  - Mixers
  - Microwaves
  - Other White Goods
- Vacuums
- Internet Enabled Appliances
- Other Home Appliances

### Home Data Networking

- Ethernet Based Systems
  - Ethernet Cards
  - Ethernet Hubs
  - Ethernet Network Kits
  - Wires & Cables
  - Ethernet-Based Print Servers
  - Other Ethernet-Based Products
- Phone Line Based Systems
  - Phone Line Network Cards
  - Wires & Cables
  - Other Phone Line Based Products
- Power Line Based Systems
  - Power Plug Transceivers

### Home Data Networking (cont'd)

- Wires & Cables
- Other Power Line Based Systems
- Wireless Based (801.11x) Systems
  - Wireless Access Points
  - Wireless Adapter Cards (ISA/PCI)
  - Wireless PC Card Adapters
  - USB-Based Adapters
  - Other Wireless Based Products
- Home Data Networking Software
  - Network Operating Systems
  - Proxy Servers/Firewalls
  - Print Servers
  - Remote Access
  - Connectivity
  - Other Home Data Networking Software
- Residential Gateways
  - Firewall/Routers
  - Switches
  - Other Residential Gateway Products
- Content Management Devices/Software
  - Audio Only
  - Audio/Video Capable
  - Built-in DVR/PVR
  - PC Based DVR/PVR Software
  - Other Content Management Devices/Software
- Other Home Data Networking Products

### Home Theater

- Video
  - Big Screen (25" and over) Direct View TV
  - Front Projection TV
  - Rear Projection TV
  - Other Projection TVs
  - Hi-Fi VCR Decks
  - Laserdisc Players
  - DVD Players
  - LCD Projector Systems
  - Flat Panel Displays
  - Other Home Theater Video Products
- Audio
  - Stand Alone Surround Sound Processors
  - A/V Receivers
  - Subwoofers
  - Surround Sound Speakers
  - Home Theater Speaker Surround Packages
  - Multimedia Control Centers
  - Other Home Theater Audio Products
- Custom Installation and Design
  - A/V Calibration
  - Installation
  - Design
  - Other Customer Installation and Design
- Furniture
  - Equipment Racks

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## Product Categories

### Home Theater (cont'd)

- Seating
- Entertainment Centers
- Decorative Wallcoverings
- Other Furniture
- Popcorn Machines

### Lighting

- Fixtures
- Control Systems
- Other Lighting
- Other Home Theater Products

### Integrated Home Systems

- CEBus Products
- Central Vacuum
- Energy Management/HVAC Systems
- Home Security
  - Control Pads
  - Other Home Security
  - Sensors
  - System Components
  - Video/CCTV
- Home Security Monitoring/Installation Services
- Intercom/Telephone Systems
- Lighting Controls
- LonWorks Products
- X-10/Powerline Carrier Devices
- Whole House Systems
- Window Controls
- Wire, Cable & Wiring Systems
- Wireless Technologies
- Window/Covering Controls
- Remote Control Systems
- Gate Access Controls
- Telephones & Communications
- Other Integrated Home System Products

### Mobile/Vehicle Electronics Audio/Video

- Amplifiers
- CD Changers
- Crossovers
- Equalizers
- HD Radio
- Head Units with Cassette Players
- Head Units with CD Player
- Head Units with DAR/IBOC Capability
- Head Units with DVD Player
- Head Units with MP3 Capability
- Head Units with Satellite Radio Capability
- Other Car Audio Equipment
- Satellite Radio Receivers
- Speakers
- DVD Players
- Videocassette Players/Recorders (VCP/VCR)
- CRT Monitors
- LCD Monitors

### Mobile/Vehicle Electronics Audio/Video (cont'd)

- DVD/Display Package Systems
- VHS/Display Package Systems
- DVD/VHS/Display Package Systems
- Other Video

### Mobile/Vehicle Electronics Navigation, Safety, and Security

- Antennas
- Hand-Held GPS Devices
- In-Dash Displays
- Other Navigation/ITS
- CB Radios
- Radar Detection
- Remote Starters
- Two-Way Radios (Family Band Radio)
  - FRS
  - GMRS
- Other Two-Way Radios
- Weather/Maritime Radios
- Depth Finders

### Online/Internet

- Access Software
  - Broadband
  - Dial-up
- Other Access Software
- Modems
  - Cable
  - DSL
  - Other Modems
- Audio Delivery Systems
- Ethernet Based Networking Systems
- Phone Line Based Networking Systems
- Power Line Based Networking Systems
- Wireless Based (801.11x) Networking Systems
- Home Data Networking Software
- Residential Gateways
- Other Broadband
- E-commerce Products and Services
  - E-commerce Management Systems
  - Other E-commerce Products and Services
- M-commerce Products and Services
  - M-commerce Management Systems
  - Other M-commerce Products and Services
- Other Online Commerce Products and Services
- Internet Access Devices
  - Broadband
  - Dial-up
  - Other Internet Access Devices
- Internet Based Audio Devices
- Internet Based Audio Software
- Other On-Line/Internet
- On-Line Based Gaming Software
  - Free
  - Subscription Based

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## Product Categories

### Online/Internet (cont'd)

- Other On-Line Based Gaming Software
- PC/TV Combinations
- Software Development Tools
  - Application Development
  - Graphics
  - Other Software Development Tools
- Page Layout

### Portable Power

- Batteries
- Battery Chargers
- Power Inverters
- Rapid Chargers
- Supplemental Power Systems
- Other Supplemental Power Systems

### Personal Electronics

- Clock Radios
- Home Healthcare Products
  - Body Weight Scales
  - Pedometers
  - Other Home Healthcare and Fitness Products
- Vital Sign Monitors
  - Blood Pressure
  - Blood Sugar
  - Heart rate
  - Temperature
  - Respiration
  - Other Vital Sign Monitors
- Novelties
- Watches
  - Digital
  - Analog
  - SPOT Capable
  - Other Watches
- Musical Instruments
  - Keyboards
  - Electric Guitars
  - Electric Drum Sets
  - Other Musical Instruments
- Other Personal Electronics

### Retail Resource

- Third Party Warranty Providers
- Retail Display Products
- Direct Mail Services
- Other Retail Resource

### Satellite Systems

- Accessories
  - Dishes
  - Cable
  - Multi-Switches
  - Diplexers
  - In-line Amplifiers
  - LNBS

### Satellite Systems (cont'd)

- Other Accessories
- DBS/DSS
  - DirectTV Systems
  - Echostar Systems
  - Other DBS/DSS
- C-Band Systems
- Content Providers
- Computer/Satellite Link Equipment
- Satellite Set-Top Boxes
- Other Satellite System Equipment

### Small/Home/Mobile Office

- Power Adapters
- Cables & Adapters
- Synchronizing Cables & Docks
- Pen Stylus
- Calculators
- Electronic Typewriters/Word Processors
- Dictation Equipment
  - Analog
  - Digital
  - Other Dictation Equipment
- Electronic Reference Devices
- Fax Machines
  - Other Fax Machines
- Plain Paper
- Thermal Paper
- Furniture
  - Chairs
  - Desks
  - Media Storage
  - Other Furniture
- Multi-Function Devices (Fax, Copy, Print, Scan)
- Personal Copiers
- Portable Printers
- Portable Copiers
- Portable Fax Machines
- Bluetooth Hardware
  - Bluetooth PC Card Adapters
  - Bluetooth Printer Adapters/Receivers
  - Other Bluetooth Hardware
- PC Card Ethernet Adapters
  - Wi-Fi PC Card Ethernet Adapters
  - PC Card RJ45 Ethernet Adapters
  - Other PC Card Ethernet Adapters
- Port Replicators
- Other Expansion Docks & Adapters

### Software/Embedded Technology

- Memory
- Processors
- Power Supplies
- Optical Lenses
- Cathode Ray Tubes
- Other Electronic Components

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## Product Categories

### Software/Embedded Technology (cont'd)

- Firmware
- Other Embedded Technologies
- Integrated Circuits

### Telephones

- Cordless Battery Packs
- Cordless Phone Antennas
- Cords & Wire
- Handset Accessories
- Installation Gear
- Other Telephone Accessories
- Plugs/Adapters/Jacks
- TAD Care Products
- Caller ID
- Corded Telephones
- Cordless Telephones
  - 2.4 GHz
  - 5.8 GHz
  - 900 MHz
  - Other Cordless Telephones
- Pay Telephones
- Prepaid Phone Cards
- Telephone Answering Devices
- Video Phones
- Call Screening Devices
- Other Telephone Equipment

### Video Components

- Direct-View Analog Color TV
- VCR Decks
- Analog Camcorders
- Digital Camcorders
- DVD Players
- Digital VCRs
- Digital/Personal Video Recorders (DVR, PVR)
- Handheld Video Recorder (DVR/PVR)
- Other Video Components
- Hi-Fi VCR Decks
- Laserdisc Players
- LCD Projector Systems

### Digital Displays

- LCD Screen Displays
- Flat Panel Displays All Types
- TV/VCR Combinations
- Plasma-Screen Displays
- Big Screen (25" and over) Direct View TV
- Front Projection TV
- Rear Projection TV
- Other Projection TVs
- DLP Displays
- LCOS Displays
- OLED Displays
- Digital Rear Projection
- Digital Front Projection

### Digital Displays (cont'd)

- Digital Direct-View
- Plasma-Screen Displays
- LCD Screen Displays
- LCD Based Projectors
- DLP Displays

### Wireless Communications

- Antennas
- Battery Packs
- Carrying Cases
- Chargers/Adapters
- Mounting Hardware
- Supplemental Power Systems
- Earpieces/Headsets
- Cables
- Faceplates
- Paging Accessories
- Other Wireless Phone Accessories
- Analog Cellular Phones
- Digital Wireless Phones
  - 3G Based Phones
  - CDMA
  - GSM/GPRS
  - Other Digital Wireless Phones
  - Palm OS Based Smart Phones
  - Pocket PC Based Smart Phones
  - TDMA
  - Two-way Radio Compatible
- Prepaid Wireless Phones
- Pagers
- Two-Way Radios (Family Radio)
  - FRS
  - GMRS
  - Other Two-Way Radios
- Bluetooth-Based Devices
- Carrier Systems and Technology
- GPS Devices
- Hand-Held Wireless Data Cards
  - CDMA1x PC Cards
  - CDPD PC Cards
  - GPRS PC Cards
  - Other Wireless Data Technology
- Other Wireless Communications Products
- WiFi
  - Wireless Access Points
  - Wireless Adapter Cards (ISA/PCI)
  - Wireless PC Card Adapters
  - USB-Based Adapters
  - Other WiFi
- Voice Over IP (VoIP) Hardware and Software
  - Handsets
  - Switches
  - Voicemail systems
  - Other Voice Over IP Hardware and Software