



SmartCart16 (above) shown with:

- LCD/Keyboard Module (1)
- eBuddy Semi-rugged Laptops (2)
- BatteryBay Drawers (3)
- 2U Rackmount Server - Multiple Configurations Available (4)
- UPS (5)

SmartCart16 (above) shown with:

- 16 eBuddy Semi-rugged Laptops (1)
- eCharger PowerStation Bays (2)
- UPS (not visible)

The **EarthWalk SmartCart Series** is the industry's ultimate mobile **computer lab** that is designed with heavy-gauge/solid steel construction, locking aluminum Tambour doors, and 6" industrial duty solid rubber wheels with four swivel casters and locking brakes. The **SmartCart16 is a Wireless Mobile Computer Lab Solution** for up to 16 users. All you need is one standard electrical outlet and one standard Ethernet connection. This total turnkey solution integrates with existing networks and/or Internet access, VSAT and satellite communications. Our systems can be customized to accommodate your environment.

NEVER RUN OUT OF POWER

The *SmartCart16* can store, secure and charge up to 16 laptops and can be integrated with EarthWalk's patented *High -Efficiency (HE™) Power Management* (meaning you can simultaneous charge 16 laptops, 16 batteries and power all your peripherals from ONE standard wall outlet), *BatteryBay Charging System*, *PowerStation Charging System* and *SideKick PowerPacks*.

Special Features

- Eliminates the cost for additional network and electrical wiring
- Solid weld, 14-18 gauge steel chasis providing superior strength and durability
- Anodized aluminum, sliding panel, locking security doors
- 6" industrial duty, solid rubber wheels with four swivel casters and locking brakes
- Non-skid surface to accommodate external peripherals

Lab Dimensions

Color: Blk Doors & Silver Handles
 Work Surface Ht: 120.02 cm / 47.25"
 Handle Ht:..... 129.54 cm / 51"
 Width: 65.41 cm / 25.75" (additional inches when shelf is extended)
 Depth: 71.76 cm / 28.25"
 Weight: Approx.* 114 kg / 250 lbs.

(*Empty weight - actual weight determined by configuration of system)

Laptop Compartment Dimensions

Height:..... 30.48 cm / 12"
 Width: 6.35 cm / 2.5"
 Depth: 41.91 cm / 16.5"

Warranty

- 1 year parts & labor*
- *Optional extended warranty plans available



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CONFIGURATION OPTIONS

Laptop Charging Technology

High -Efficiency (HE™) Power Management

EarthWalk's HE™ is a high-efficiency, electrical/universal power solution that works with most brands of laptops.

- Entire system operates from a single, standard electrical outlet
- 110 to 240 VAC, 47-63Hz configurations available
- 85% efficient conversion / regulation
- Forced convection cooling / Approximately 2900Btu rejected heat
- Automatic reset fuse on each recharge cable
- 14-20VDC Assuring personnel safety
- Safety Specification: UL 1012, TUV EN60950, IEC950 & UL1950 Pending
- EMC Specification: CISPR22 (EN55022) Class B, IEC801-1,2,3,4; IEC 555-2 Pending

Battery Charging Technology

BatteryBay Charging System

Each 16-Bay charging system is housed in a retractable bearing sliding drawer with LED indicators for charging status.

The BatteryBay Charging System enables continuous laptop operation by simultaneously recharging up to 16 EarthWalk Lithium-Ion laptop batteries in each drawer. Users can have a spare battery recharging and keep working instead of waiting.

- Entire system integrates into the *SmartCart16*
- 110 to 240 VAC, 47-63Hz configurations available
- 85% efficient conversion / regulation
- Forced convection cooling / Approximately 2900Btu rejected heat
- 20VDC Assuring personnel safety
- Safety Specification: UL 1012, TUV EN60950, IEC950 & UL1950 Pending
- EMC Specification: CISPR22 (EN55022) Class B, IEC801-1,2,3,4; IEC 555-2 Pending

PowerStation Charging System with SideKick PowerPacks

- Entire system integrates with the *SmartCart16*
- 110 to 240 configurations available
- 85% efficient conversion / regulation
- Current limited to 2.5 A DC assuring equipment safety
- DC cooling fan
- Rejected heat of approx. 1400Btu charging interface

SideKick PowerPacks

- Powers most brands of laptop computers
- 120Watts of DC power
- 12-24V DC assuring personnel safety
- Automatic thermostat protects against over-charging
- Over 1,000 cycles with up to 8 hours of use for up to 5 years

Integrated Wireless Technology

- International IEEE Standard 802.11b/g Wireless Interface
- Allows for transparent bridging & accessibility to existing wired Ethernet networks
- Protocol-Independent network functionality
- Integrated switching/routing functionality
- Robust interference resistant & secure multi-channel transmission
- FCC/CE/ETS Approved