Technical Specifications

Laptop Garage®

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Garage Construction
The two-piece Laptop Garage enclosure and shelf shall be fabricated from 16-gauge and 18-gauge steel and have a black powder-coated finish. The door shall be constructed from $^{3}/_{4}$" thick MDF board and be covered with .040" thick high-pressure laminate on both sides. The edges shall be painted black. The door shall be secured in the closed position with a steel latch assembly or optional solenoid lock located under the worksurface when in the closed position. When the latch or lock is released, the door shall pivot open approximately 2" by use of compression springs and allow the user to open fully. Two concealed sliding-cams constructed from .25" thick acetal shall automatically raise and lower the laptop shelf when the door is operated by the user. The shelf shall be held securely in the open position without the use of a manual lock and door operation shall be smoothly controlled with two torque dampers. Two sizes are available – standard and large.

Optional Lock Mechanism
Locking units shall be equipped with a 110/120v keyless operated solenoid. The solenoid shall allow the locking sequence to begin with the unit's cover in any position. Locks shall be programmable to lock and unlock all units within a room all at the same time, or individually. Keyless remotes are ordered separately. Maximum of 5 locks per control box can be programmed.

Garage Operation
To open the Laptop Garage, push the latch located under the worksurface on the center of the unit near the user or press the unlock button on the keyless remote and push front of door down slightly. Allow door to open approximately 2" and grasp open edge and rotate to the open position. To close unit, pull top of door toward user until front edge is open approximately 2". Ensure no cords can be pinched between door and worksurface and firmly push down on front edge to engage latch. If the unit is specified with the lock option, the solenoid shall operate with the door in any position. The final engagement of the lock bolt will occur when the cover is moved to the fully closed position. Disengagement of the lock will occur with the pressing of the "unlock button" on the keyless remote and lightly pushing down on the front of the door.

Summary
The Laptop Garage provides flexibility and functionality to a variety of worksurfaces by providing convenient, durable storage for laptop computers.

Key Customer Phrases
- Flexible
- Adaptable
- Clean Design
- Convenience

Why is KI Introducing the Laptop Garage?
Schools want classrooms and learning environments to be flexible and adaptable in numerous uses - a technology class for now, lecture or textbook use later. The Laptop Garage reduces the need to "dedicated" computer classrooms or computer labs. It also allows schools to control the use of the technology.

Key Benefits
Flexibility
- Allows laptops to be stored within a table top, creating a flat writing surface when not in use for multi-use applications.
- Standard size unit accommodates most laptop computers. Large size unit available for laptops wider than 17" (see next page for inside dimensions).
- Optional keyless locking system secures the laptops inside the table against unauthorized use.

Functionality
- User controls opening and closing and rate is smoothly controlled with two torque dampers.
- Laptop shelf is lifted and lowered easily and quietly when door is operated to the open or closed position.
- Ingenious cam mechanism automatically keeps tray secured in the open position without the use of a manual lock.
- Thin profile of the garage under the surface does not interfere with knee or leg room (extends $2\,^{5}/_{8}$" below the surface).
- Provides a clean surface when closed, no hinges or handles on the surface.
- Available on a variety of KI tables for a choice in function, aesthetics, and price point.
- Keyless locking system allows an instructor to control the use of the laptops. Keyless remotes are programmable to lock and unlock an entire room of garages at once, or individually as required. **Note:** It is recommended that security lock cables be purchased separately for securing the laptop computers to the table.

Laptop Garage Dimensions

	Standard Size Unit	Large Size Unit
Inside Dimensions (usable laptop area)	16.5"w x 12"d x 2.25"h	18.5"w x 12"d x 2.25"h
Outside Dimensions	17.5"w x 15.12"d x 2.62"h	19.5"w x 15.12"d x 2.62"h
Outside Dimensions (including lock solenoid)	17.5"w x 17.23"d x 2.62"h	19.5"w x 17.23"d x 2.62"h

Laptop Garage Products Offering

Product	Table Size	Laptop Garage Size
InTandem® Table System Grommet/PowerUp Option: • No grommet(s) • 1 grommet/1 PowerUp module • 2 grommets (quad grommets not available) • 2 PowerUp modules	30"d x 30"w 30"d x 36"w 30"d x 42"w 30"d x 48"w 30"d x 54"w 30"d x 60"w 30"d x 66"w 30'd x 72"w	Single unit - standard size only Single unit - standard or large size Single unit - standard or large size Single unit - standard or large size Single unit - standard or large size Double unit - standard or large size Double unit - standard or large size Double unit - standard or large size
PowerComm® Table System Grommet/PowerUp Options: • No grommet(s) • PowerUp option L or R • Not available on veneer worksurfaces	30"d x 30"w 30"d x 36"w 30"d x 42"w 30"d x 48"w 30"d x 54"w 30"d x 60"w 30"d x 66"w 30'd x 72"w	Single unit - standard or large size Single unit - standard or large size Single unit - standard or large size Single unit - standard or large size Single unit - standard or large size Double unit - standard or large size Double unit - standard or large size Double unit - standard or large size
DataLink® Training Table System Gromet/PowerUp Options: • No grommet(s) • 1 grommet/1 PowerUp module • 2 grommets • 2 PowerUp modules • Fixed leg tables only	30"d x 36"w 30"d x 42"w 30"d x 48"w 30"d x 60"w 30'd x 72"w	Single unit - standard or large size Single unit - standard or large size Single unit - standard or large size Double unit - standard or large size Double unit - standard or large size

Laptop Garage is only available on the tables and in the sizes listed above. 27", 29", and 30" high tables with Laptop Garage DO NOT meet ADA requirements. A wheelchair kit or 32" high tables must be specified to meet ADA requirements. The optional locking mechanism requires power (plug into floor or wall outlet or 8-wire system).

Laptop Garage – Competitive Analysis

Feature	KI	Bretford Connection
Table Sizes	Varies by product	24" x 36", 24" x 72"
Storage	Fold flat into surface	Folds flat into surface
Folding Mechanism	Sliding cams with torque dampers	Gas cylinder
Locking Mechanism	Yes - keyless remote lock	Yes - manual keyed lock
Power in Table	8-wire power or power strip	Power strip only
Wire Management	Beam separation with optional power	Cord management bin
Disadvantages		Lock does not hold, no way to adjust. Limited knee clearance (7" from front edge); Basic square tube legs with exposed welds; One laminate, 4 trim colors, and 2 sizes only

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