

# PRODUCT SPECIFICATIONS

## InTandem® Table System

January 2019

### TECHNICAL SPECIFICATIONS

The InTandem computer support table system consists of horizontal worksurfaces, and optional vertical privacy screens and dividers. Shared leg assemblies connect to the steel beam with plastic doors allowing access to power and data cabling from both the front and back side of the beam. The beam extends the entire length of the table to bring power and communications to each worksurface.

#### Worksurfaces

Horizontal worksurfaces constructed of  $1\frac{1}{8}$ " thick 45# density particleboard with .030" thick high-pressure laminate and .030" thick high-pressure backing sheet. The worksurfaces are available in rectangular, square corner, and transitional corner shapes. Overall thickness is  $1\frac{1}{4}$ ".

#### Three edge options are available:

##### Post Formed Laminate

The front edge is post-formed with an elliptical shape. The rear edge and two sides are covered with matching flat .024" PVC edge banding.

##### Urethane Edge

Worksurfaces have an elliptical front edge and the remaining edges  $\frac{1}{4}$ " molded urethane.

##### 74P (2mm) Edge

Radius corners with comfort curve along user side.

Worksurfaces are bolted to leg assemblies using  $\frac{1}{4}$ " -20 torx head (tamper-resistant) bolts through threaded steel inserts in the underside of the surface. Worksurfaces have standard  $6\frac{3}{4}$ " x  $3\frac{3}{8}$ " O.D. ABS grommets; two on 24"-72" rectangular, as well as square corner worksurfaces (located in the rear corners) and optional four grommets on 60", 66", and 72" worksurfaces (located one right and one left, and the remaining two centered). On the transitional corner worksurfaces, the grommet is located on the left and right rear side. Grommets have a flip-up receding door and are identical in size to the PowerUp module to allow for retrofitting of PowerUp at a later date. Worksurfaces include a 14-gauge steel splice plate to mount to the underside of the user side of the worksurface to keep two adjacent surfaces level.

#### Square Corner Worksurfaces

Square corner worksurfaces are designed for use with matching depth adjacent worksurfaces. Tops are  $1\frac{1}{4}$ " solid core with high-pressure laminate surface. All four edges are matching flat PVC self-edging. Worksurfaces have two grommets positioned along the left and right corner. PowerUp modules are not available on the square corner worksurface.

#### Transitional Corner Worksurfaces

Transitional corner worksurfaces have the same basic construction as the square corner worksurfaces, except the front edge (user side) is post-formed laminate. Transitional corner worksurfaces have two grommets with openings for wire management positioned along the left and right back corners.

#### Dual Door Beam

The beam has lay-in access to data cables from the back side (instructor side) of the table and access to the power and data cables from the front (student side). Both doors can be opened at one time if necessary, without any adjustment or reconfiguration required. Both doors are constructed of .06" thick PVC dual-durometer extrusion and are joined by ultra-sonic welding and screwed to the communications beam. Doors have a continuous flexible PVC hinge allowing both doors to pivot at the bottom. The door allows all cords to be stored inside the beam and out of sight.

The electrical trough on powered beams is constructed of 16-gauge formed steel finished in Graphite Dark colored powder-coat paint. Each electrical trough has openings on the backside covered by a 16-gauge steel removable outlet cover. The outlet covers are removable for access to receptacles when using back-to-back power. The electrical trough is attached to the underside of the worksurface with  $\frac{1}{4}$ " -20 torx head screws. Electrical components for the 60", 66", and 72" powered beams come as one piece on standard beams or in two pieces on the quad beams.



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## TECHNICAL SPECIFICATIONS (cont.)

Quad beams can be specified for 60", 66", and 72" sizes for applications when two users are sharing one worksurface length, or in certain T-configurations. Quad beams have four cutouts on the back (instructor) side of the beam, and four receptacle locations on each side of the beam in powered beam applications.

When hard wire power is ordered, the top raceway is covered by a 20-gauge formed steel cover with holes for simplex receptacles (single), thereby totally enclosing the 110 volt wiring.

The data trough is constructed of 16-gauge steel. The terminated end of the data cables (data jacks) can be snapped into the pre-punched holes in the data trough. Multiple data plates can also be snapped into the data trough. The customer is to provide data jacks and data plates. Data troughs are bolted to the legs by 1/4" -20 torx head, tamper-resistant screws and support the bottom of the beam door.

Optionally, a Data Cover can be specified to cover the data trough and conceal the data wires. The data cover is constructed of 24-gauge steel.

ABS plastic beam end caps enclosing the wires are standard on end of run/stand alone beams. Middle and corner middle beam assemblies will not include end caps.

Corner middle beams are specified for use with the same size corner worksurface. Beam sizes are available 24" x 24", 30" x 30", 36" x 36", and 42" x 42". Corner middle beams do not include end caps.

### Legs

All "C" legs are available in three overall heights of 27", 29", and 38" (worksurface height). All "C" legs have vertical wire management capabilities. A reversible vertical wireway cover is standard on each leg. Steel trim with liquid-tight fittings are available for power infeeds at the bottom of any leg. All legs can be retrofitted in the field to accommodate a power infeed or data cabling infeed.

All "C" legs can be used as either an end leg or a shared leg. The "C" legs are used when connecting tables in a row. The vertical leg tube is 2" x 5", 14-gauge D-shaped steel tubing. The foot to which the leg tube is welded is made of 14-gauge formed steel. The nylon glide at the bottom of the toe casting can be adjusted vertically 1 1/4" with an open-faced wrench from the underside of the foot for worksurface leveling.

### Corner Worksurface Support Leg

A square shaped leg for a transitional corner surface is made of 2" x 2", 14-gauge steel. The leg bolts to the front side of both beams at the corner. One leg is required per corner worksurface; available in two heights (27" and 29"). Wire management is not available on this leg. For wire management capabilities, a "C" leg will need to be specified.

### Freestanding Frames with Casters

Freestanding Frames with Casters are available on 30" deep worksurfaces only. 29" height is available with 24", 30", 36", 42", 48", or 54" width. 38" height is available with 42", 48" or 54" width only. The model number includes a stand-alone beam with right and left end caps, two "C" legs and four 2 3/4" diameter dual wheel locking black carpet casters with white hubs. The stand-alone beam is not available with 10-wire or hardwire outlets or communications and data raceway cover. An optional surge protected six-outlet, 110 volt electrical strip with a six foot long cord is available as an option to lay in the beam. Plastic beam doors are included to accomplish cord management. (Mobile tables cannot be electrically connected together). The beam will also not be available with the communications data plate and raceway cover. Freestanding frames with casters are not UL listed.

### Electrical Components

#### 10-Wire Rigid Wireway

The UL listed 10-wire system consists of six conductors (12-gauge), two neutrals (10-gauge), and two grounds (12-gauge). The system provides six 20 amp, 125 volt capacity circuits. All receptacles are rated at 15 amps, 125 volt capacity. Connection diagrams are available.

The 10-wire rigid wireway is easily plugged into the rigid wireway of the adjacent table allowing reconfiguration of the tables without rewiring or the need to thread connectors through legs.

## TECHNICAL SPECIFICATIONS (cont.)

### **10-Wire Rigid Wireway For T-Shaped Configurations**

10-wire rigid wireway of galvanized steel is available for 24", 30", and 36" deep worksurfaces when T-shaped or L-shaped table configurations are required.

### **10-Wire Rigid Wireway For Back-To-Back Configurations**

10-wire rigid wireway of galvanized steel is available for use in back-to-back configurations. Rigid wireways are available for all table widths. (60", 66", and 72" widths require quad beams)

### **End-of-Run Beam - 10-Wire New York Power Infeed**

The City of New York 10-wire infeed is accomplished through the use of a power infeed table beam which is supplied with a service entry box. The box is sized to be a minimum of 2.25 cubic inches for each of the ten (10) wires entering from source and leaving to modular pre-wired 10-wire electrical system. Includes steel trim plate with dual holes for electrical and data entry and six feet of liquid-tight flexible conduit .83" diameter.

### **10-Wire Power Base Infeed**

The 10-wire power base infeed brings power from the building power source up to the beam electrical via the vertical wireway cover on the leg. The infeed is pre-wired for attachment to the 10-wire rigid wireway in the beam. Wiring connections to the building power source must be made by a certified electrician.

### **10-Wire Power Top Infeed**

The 10-wire power top infeed brings power from the ceiling to the beam. The infeed includes a 10' aluminum pole with separate channels for power and data entry, pre-wired connectors, and flexible steel conduit for attaching to the 10-wire rigid wireway in the beam. Wiring connections to the building power source must be made by a certified electrician.

### **Hardwired Power Base Infeed**

Hardwired power base infeed includes liquid-tight conduit or flexible steel conduit to bring power to the beam, but does not include any internal wiring (wiring to be field installed). Wiring connections to the building power source must be made by a certified electrician.

### **Hardwired Power Top Infeed**

Hardwired power top infeed brings power from the ceiling to the beam. The infeed includes a 10' aluminum pole with separate channels for power and data entry, includes liquid-tight conduit or flexible steel conduit to bring power to the beam, but does not include any internal wiring (wiring to be field installed). Wiring connections to the building power source must be made by a certified electrician.

### **Communications Circuitry**

Connectors for phones, modems, printers and networks can be incorporated into the system, but must be ordered separately by the customer through a third party source. Communication wiring is completed in the field by the customer.

### **PowerUp® Module with 3-Prong Plug**

PowerUp modules with 3-prong plug are available on 24", 30", and 36" deep rectangular worksurfaces and the transitional corner worksurfaces. The module is not available on the square corner worksurface. The quantity of PowerUp modules is specified in the model number for the worksurface. If PowerUp modules are not specified for the cutouts, grommets will be supplied.

## TECHNICAL SPECIFICATIONS (cont.)

The PowerUp Module with 3-prong plug is a UL listed relocatable power tap which is a surface mounted power module with a plastic cover. When open, two simplex power receptacles and two data jack openings are exposed. The module is 3 1/4" wide by 7" long and 2 1/4" tall when opened and fits securely into a 6 1/4" x 3" cutout, still allowing removal without tools. The module is constructed of polycarbonate with a textured finish, meeting UL 94 V-0 Flame Class minimum requirements. The module has two simplex receptacles, rated at 15 Amps/125 Volts and two locations for data connectors. Snap-in data plates hold data connectors and allow the standard module to accommodate most manufacturers. The data connectors are not supplied with the module and are purchased by the customer. The module has a dampened spring-loaded mechanism to allow the unit to open for use and close when not in use. The power receptacles open above the plane of the worksurface to avoid accidental spills into the receptacle. Data jacks remain stationary to avoid excess wear and tear on the wire connections and promote transmission of data communication. Data ports are molded to accept RJ45 jacks, but can be modified to accept various brands of jacks. The module comes standard with a 22" or 108" cord and 3-prong plug.

The PowerUp module is available in KI's four standard colors: BL (Black), GR (Blue Grey), WG (Warm Grey), and SA (Sand).

### **Villa™ Power Module with 3-Prong Plug**

Villa power modules with 3-prong plug are available on 24", 30", and 36" deep rectangular worksurfaces and the transitional corner worksurfaces. The module is not available on the square corner worksurface. The quantity of Villa power modules is specified in the model number for the worksurface.

The Villa power module with 3-prong plug is an Intertek ETL Listed Furniture Power Distribution Unit surface module that mounts below a 6 1/4" x 3" grommet cutout in the tabletop. The module is 3 1/2" wide by 6 3/4" long and 2" tall when opened. The module comes standard with either a 36" or 108" cord and 3-prong plug, rated 120VAC, 15A. When open, two simplex power receptacles, two USB charging ports and one data jack opening are exposed. An additional simplex receptacle is located at the underside. The module can be modified to fit various brand jacks. Data connectors are not supplied with the module and are purchased by the customer. Metal grommet cover is optional.

### **Activ8® Electrical**

The Activ8 electrical system is a UL 962 recognized component that allows up to eight duplex power modules to be connected to one standard 15-amp power cord. Activ8 electrical system does not require modules to be connected in a certain order. The number of power modules connected is automatically limited to the maximum allowed under UL standard 962. If too many modules are connected, the Activ8 control box disconnects all power to the system and illuminates a red LED. Power is resumed automatically to the system once the extra power module or modules are disconnected, which is indicated by a green LED. The fuse on the power entry box can be reset as it is used to limit the number of devices on the chain. If the system receives a voltage spike, it would likely destroy the infeed box and would need to be replaced.

### **Activ8® Power Infeed**

Series includes a standard NEMA 5-15P 15-amp plug on one end of the 108" cord and a non-sequentially keyed connector at the opposite end of the cord. Control box is located 12" from the table connection.

Built-in diagnostics LED shows system status:

- Green=power is on and system is working properly.
- Red=power has been stopped because too many modules are connected.
- LED off=input power is not available; check that power cord is plugged into an outlet, and that power is available to that outlet.

### **RPT Module for Activ8® and RPT Bracket**

Includes two AC outlets per module. A connector with three ports is located at the opposite end of the 12" cord.

## TECHNICAL SPECIFICATIONS (cont.)

### **PowerUp® Module for Activ8®**

PowerUp modules for Activ8® are available on 24", 30", and 36" deep rectangular worksurfaces and the transitional corner worksurfaces. The module is not available on the square corner worksurface. The quantity of PowerUp modules is specified in the model number for the worksurface. If PowerUp modules are not specified for the cutouts, grommets will be supplied.

The PowerUp module for Activ8 is a surface mounted power module with a plastic cover. The module is 3 1/4" wide by 7" long and 2 1/4" tall when opened. The module has a dampened spring-loaded mechanism to allow the unit to open for use and close when not in use. When open, two simplex power receptacles and two data jack openings are exposed. A connector with three ports is located at the opposite end of the 12" cord. The module can be modified to fit various brand jacks. Data connectors are not supplied with the module and are purchased by the customer. Up to eight modules may be connected per infeed.

### **Villa™ Power Module for Activ8®**

Villa power modules for Activ8 are available on 24", 30", and 36" deep rectangular worksurfaces and the transitional corner worksurfaces. The module is not available on the square corner worksurface. The quantity of Villa modules is specified in the model number for the worksurface. If Villa modules are not specified for the cutouts, grommets will be supplied.

The Villa power module for Activ8 is a surface module that mounts below a 6 1/4" x 3" grommet cutout in the tabletop. The module is 3 1/2" wide by 6 3/4" long and 2" tall when opened. When open, two simplex power receptacles, two USB charging ports and one data jack opening are exposed. A connector with three ports is located at the opposite end of the 12" cord. The module can be modified to fit various brand jacks. Data connectors are not supplied with the module and are purchased by the customer. Metal grommet cover is optional. Up to eight modules may be connected per infeed.

### **Activ8® Jumpers**

Each jumper is equipped with a connector on each of two ends that plug into any connector on a given power module. Jumpers are non-sequential and are interchangeable to the extent that the jumper length is sufficient to reach the next module. Jumpers are available in three standard lengths of 29", 53" and 77".

## **Accessories**

### **Privacy Screens**

The privacy screen is standard 3/4" thick core material. Both sides are laminated with .030" thick high-pressure laminate as standard. All edges are banded with PVC edging. Panels are bolted to 14-gauge steel brackets which are screwed to the underside of the worksurface with torx head screws (tamper resistant). Privacy screens have a straight top edge available in three heights (11", 17", and 23"), and in lengths to match the worksurface widths from 24" to 72". The 60", 66", and 72" wide screens are made up of two equal size screens. The 23" high privacy screens are not available on 24" deep worksurfaces.

Stand-Alone privacy screens are available for use when divider screens are not attached. Stand-alone privacy screens are available in two heights (11" and 17"), and in widths same as above. Stand-alone privacy screens attach to the underside of rectangular worksurfaces with 11-gauge steel brackets.

### **Divider Screens**

Divider screens are standard 3/4" thick core material. Both sides are laminated with .030" thick high-pressure laminate as standard. All edges are banded with PVC edging. Dividers are screwed to steel brackets which attach with barrel bolts at the intersection of privacy screens and are bolted to the underside of the worksurface with 1/4"-20 torx head screws (tamper resistant). Dividers are available in three heights (11", 17", and 23") with a curved top and three widths to match the worksurface depths (24", 30", and 36"). The 23" high dividers are not available on 24" deep worksurfaces. Dividers are available only in conjunction with privacy screens.

## TECHNICAL SPECIFICATIONS (cont.)

### CPU Sling

The CPU sling straps have positive locking strap clamps that keep the CPU firmly in place. The CPU sling mounts below the worksurface and provides 5½" of travel and 359° swivel for ease of accessibility. Front and rear bumpers prevent over travel. The mounting bracket is 18" deep by 5⅜" wide. The CPU sling is available in black finish only. The maximum weight capacity is 75 pounds and accommodates CPUs with maximum circumference of 65". The mounting bracket serves as a template showing hole locations. Assembly instructions are included with each unit. CPU Slings are not recommended on 24" deep worksurfaces.

### Fully Adjustable Keyboard Tray

The fully adjustable keyboard tray attaches to the underside of the rectangular and transitional corner worksurfaces. It features a 5½" vertical adjustment, 359° swivel and a tilt range of 10° positive and 15° negative. The mounting plate is 16" deep allowing for 11¾" travel. The keyboard tray retracts to store below the worksurface. The non-skid surface accommodates keyboards up to 9" by 22" and is available in all four trim colors.

### Fully Adjustable Keyboard Tray with Mouse Tray

The fully adjustable keyboard tray with mouse tray attaches to the underside of the rectangular and transitional corner worksurfaces. It features a 5½" vertical adjustment, 359° swivel and a tilt range of 10° positive and 15° negative. The mounting plate is 16" deep allowing for 11¾" travel. The keyboard tray slides back to store below the worksurface. The non-skid surface accommodates keyboards up to 9" by 21¼" and the mouse tray extends 9½" to the left or right. Available in black only.

### Sliding Keyboard Drawer

Drawer consists of a molded plastic tray mounted to steel ball bearing drawer slides. Drawer slides are 16" long with height adjustment at 3", 3½" or 4". The keyboard tray is molded plastic with non-skid surface and molded palm rest. Keyboard tray measures 21¼" wide by 11" deep and is available in all four trim colors.

### Sliding Keyboard Drawer With Mouse Tray

The keyboard drawer with mouse surface is the same construction as the keyboard drawer with the addition of a non-handed mouse tray of molded plastic. The keyboard tray with non-handed sliding mouse tray is molded plastic with non-skid surface and molded palm rest. Keyboard tray measures 21¼" wide by 11" deep. The mouse tray measures 9" wide by 9" deep. Available in black only.

### Wheelchair Accessible Kit

The wheelchair accessible kit is made of 11-gauge steel and designed for easy retrofit of existing stations. The kit is available in widths of 36" through 72" and in two heights for 27" and 29" legs to make the overall surface height 32". The wheelchair kit comes standard to fit both the 30" and 36" deep worksurfaces. The 36" wide wheelchair kit does not meet ADA guidelines. Available in Graphite Dark color only.

### UL Listed

The InTandem System is listed to applicable UL Standards and requirements by Underwriters Laboratories Inc. Two of the Standards used to evaluate InTandem are UL 1286, Office Furnishings and UL 723, Standard for Test for Surface Burning Characteristics of Building Materials. The entire InTandem table system is UL Listed, not just the electrical system. The freestanding frames with casters are not included in the Listed System.

### Frame Colors

Legs and beam doors are available in four standard KI colors: BL (Black), GR (Blue Grey), WG (Warm Grey), SA (Sand), CG (Cool Grey), MY (Misty Brown) and SX (Starlight Silver). Privacy screen brackets, divider brackets, and interior beam components available in Graphite Dark only.

**Note:** Frame colors have been expanded. See the Color Addendum-Surface Materials Program.

Laminate choices consist of KI standard laminates.

## TECHNICAL SPECIFICATIONS (cont.)

### Power Pole Dimensions

