

# Avocent LCD Console Trays

## Single Access Point for Your Data Center Rack

Infrastructure Management & Monitoring for *Business-Critical Continuity™*

## LCD Console Family Benefits

### All Models:

- **Form Factor:** The Avocent LCD Console Trays are easy to access and their 1U slide-in design does not compete for valuable rack space
- **KVM Compatibility:** For LCD console-only models, the design is compatible with most Avocent 1U KVM switches to support new and legacy installations\*
- **Support:** Various console models support Sun™ functions, Windows® and Linux®
- **OSD:** On-Screen Display in multiple languages
- **Mouse Option:** Models supporting touch pad or trackball are available
- **At-the-Rack Access:** Provides convenient access and control to PCs and servers

### ECS Models:

- **USB Access:** USB pass-through feature provides direct access to USB media and other USB devices (select models only)

### KVM Models:

- **Integrated KVM Switch:** 8- or 16-port, local and/or remote access to servers (select models only)

### LCD Models:

- **Dual-Rail Model:** Slides out independently of the keyboard; display viewable even when the rack door is closed

\* Note: ECS19UWRUSB is only compatible with AutoView 3008 switch and AutoView 3016 switch.

The LCD Console Tray family offers a variety of features that simplifies and provides ease of access to servers, making software upgrades, troubleshooting and system monitoring convenient and less time consuming. The family consists of two product groups:

### 1. LCD Console Tray-only models

The Avocent 1U-high LCD Console Tray-only models provide convenient, direct at-the-rack access to KVM switches in enterprise data centers and SMB server rooms.

#### Features:

- Either 17- or 19-inch LCDs at 1280x1024 resolution at 60Hz
- USB pass-through allows at-the-rack access to USB media and other USB devices; connect directly to a server or an Avocent virtual media KVM switch (purchased separately) to enable the USB pass-through (select models only)
- Dual-rail options available on select 17-inch models



### 2. LCD Console Tray with integrated KVM models (8-port and 16-port)

The Avocent 1U-high LCD console-integrated KVM models provide convenient, at-the-rack access in enterprise data centers and SMB server rooms via KVM switches.

#### Features:

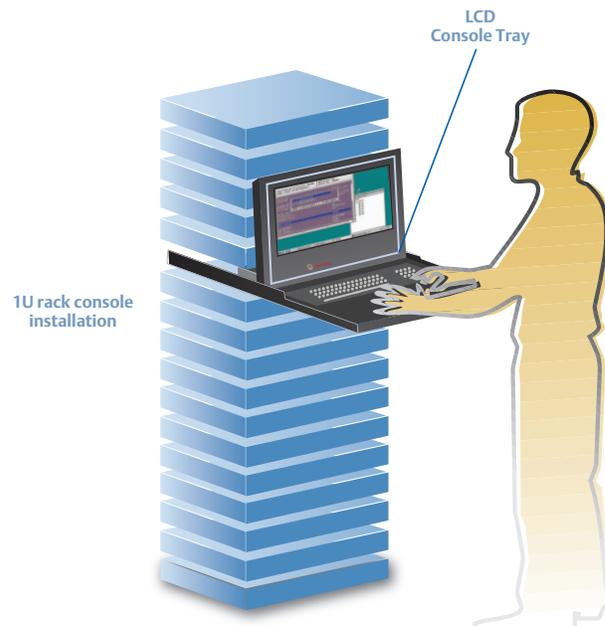
- The LCD Console Tray with integrated KVM models are two powerful appliances combined into a single U, freeing rack space for other appliances or servers
- 17-inch LCD at 1280x1024 resolution at 60Hz
- USB pass-through allows at-the-rack access to USB media and other USB devices; connect directly to a server or an Avocent virtual media KVM switch (purchased separately) to enable the USB pass-through (select models only)
- Current ECS17KMM8/16 models include Avocent AutoView® 3008/30016 8- or 16-port digital KVM over IP switches providing access for one remote and one local user; these KVMs also feature an Onboard Web Interface (OBWI) for remote and secure management of servers and serial-based devices
- Current AP17KMM8/16 models include 8- or 16-port analog KVM switches

When you need direct access that you can depend on, the Avocent LCD Console Tray is a proven solution.



## LCD CONSOLE TRAY-ONLY SPECIFICATIONS

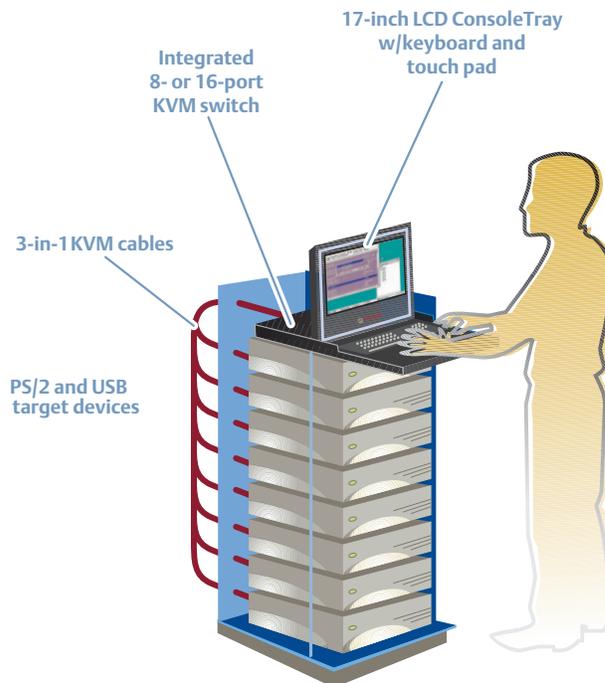
| MECHANICAL                   | ECS19PWRUSB-XXX<br>ECS19UWRUSB-XXX                           | ECS17KMM-XXX<br>ECS17KMMP-XXX  | AP17KMM-XXX<br>AP17KMMP-XXX                                 | LCD17-XXX                         |
|------------------------------|--|--|---|-----------------------------------|
| Height                       | 1.72 in. (4.4 cm)  | 1.72 in. (4.4 cm)  | 1.69 in. (4.3 cm)   | 1.7 in. (4.4 cm)                  |
| Width                        | 17.38 in. (44.1 cm)  | 17.38 in. (44.1 cm)  | 17.64 in. (44.8 cm)   | 17.5 in. (44.3 cm)                |
| Depth                        | 22 in. (55.9 cm)   | 21.3 in. (54.1 cm)   | 21.5 in. (54.5 cm)  | 17.7 in. (45.0 cm)                |
| Weight                       | 35 lbs. (15.88 kg)   | 27 lbs. (13.2kg)   | 26.5 lbs. (12 kg)   | 26.5 lbs. (12 kg)                 |
| Mounting Depth               |  | 28 in. <-> 41 in. /<br>71.1cm <-> 104.1cm  |   |                                   |
| ENVIRONMENTAL                |  |  |   |                                   |
| Operating Temperature        | 32° to 122° F (0° to 50° C)                                  | 32° to 120°F (0° to 50°C)  | 32° to 122° F (0° to 50° C)                                 | 32° to 122° F (0° to 50° C)       |
| Storage Temperature          | -4° to 140° F (-20° to 60° C)                                | -4° to 140°F (-20° to 60°C)  | -4° to 140° F (-20° to 60° C)                               | -4° to 140° F (-20° to 60° C)     |
| POWER                        |  |  |   |                                   |
| Operating Voltage            | AC 100 – 240V  | AC 100 – 240V  | AC 100 – 240V   | AC 100 – 240V                     |
| Input Power                  | Consumption 24-40W   | Consumption 20-24W   | ≤ 40W   | ≤ 26W                             |
| DEVICE SUPPORT               |  |  |   |                                   |
| Keyboard and Mouse Connector | PS/2 or USB  | PS/2 or USB  | PS/2 or USB   | PS/2                              |
| Video Connector              | VGA  | VGA  | VGA   | VGA                               |
| HARDWARE SPECIFICATIONS      |  |  |   |                                   |
| LCD Resolution               | 1280x1024  | 1280x1024  | 1280x1024   | 1280x1024                         |
| LCD Color                    | 16.7 M true colors   | 16.7 M true colors   | 16.7 M true colors  | 16.7 M true colors                |
| LCD Viewing Angle            | 80° horiz/vertical/left/right                                | 80° horiz/vertical/left/right  | 70° horiz/vertical 60° left/right                           | 60° horiz/vertical 70° left/right |
| LCD Contrast Ratio           | 1000:1   | 1000:1   | 500:1   | 450:1                             |
| LCD Brightness               | TYP. 250cd/m2  | TYP. 250cd/m2  | TYP. 400cd/m2   | TYP. 300cd/m2                     |
| STANDARDS                    |  |  |   |                                   |
| Approved Agencies            | RoHs, UL, ULc, CB, CE, FCC/EMI, GOST, VCCI, CTICK, GS-Innova | RoHs, China RoHs, CB, UL, ULc, CE, FCC-EMI, BSMI, KCC, GOST, CCC, VCCI, CTICK, China Energy Efficiency, WEEE | RoHs, China RoHs, UL, ULc, CB, CE, FCC/EMC, BSMI, CCC, VCCI | FCC, CE, UL                       |



The LCD Console Tray can be connected directly to your PC/server or to a group of PCs/servers via an Avocent KVM switch.

## LCD CONSOLE TRAY WITH INTEGRATED KVM SWITCH SPECIFICATIONS

| MECHANICAL                   | ECS17KMM8 OR 16   | AP17KMM 8 OR 16   |
|------------------------------|---|---|
| Height                       | 1.72 in. (4.4 cm)   | 1.69 in. (4.3 cm)   |
| Width                        | 17.5 in. (44.5 cm)  | 17.64 in. (44.8 cm)   |
| Depth                        | 25.63 in. (65.1 cm)   | 21.5 in. (54.5 cm)  |
| Weight                       | 32.0 lbs. (14.5 kg) 8-port<br>33.1 lbs. (15.0 kg) 16-port   | 32.0 lbs. (14.5 kg) 8-port<br>33.1 lbs. (15.0 kg) 16-port       |
| Mounting Depth               | 28 in. <-> 41 in. / 71.1cm <-> 104.1cm  | 580-850mm   |
| ENVIRONMENTAL                |   |   |
| Operating Temperature        | 32° to 104°F (0° to 40°C)   | 32° to 122°F (0° to 50°C)                                       |
| Storage Temperature          | -4° to 140°F (-20° to 60°C)   | -4° to 140°F (-20° to 60°C)                                     |
| POWER                        |   |   |
| Operating Voltage            | AC 100 – 240V   | AC 100 – 240V   |
| Input Power                  | Consumption 20-24W  | ≤ 40W   |
| DEVICE SUPPORT               |   |   |
| Keyboard and Mouse Connector | PS/2 and USB  | PS/2 and USB  |
| Video Connector              | VGA   | VGA   |
| HARDWARE SPECIFICATIONS      |   |   |
| LCD Resolution               | 1280x1024   | 1280x1024   |
| LCD Color                    | 16.7 M true colors  | 16.7 M true colors  |
| LCD Viewing Angle            | 80° horiz/vertical/left/right   |   |
| LCD Contrast Ratio           | 1000:1  |   |
| LCD Brightness               | TYP. 250cd/m2   |   |
| KVM Type                     | IP-based with remote access   | Analog-based with local access                                  |
| KVM Ports                    | 8 or 16   | 8 or 16   |
| KVM Resolution               | 1600x1200   | 1920x1440   |
| KVM Max Connections          | 128 (8-port) 256 (16-port)  | 128   |
| KVM Input Power              | Consumption 15W   | n/a   |
| STANDARDS                    |   |   |
| Approved Agencies            | LCD: RoHs, China RoHs, UL, ULc, CE, FCC-EMI, BSMI, KCC, GOST, CCC, VCCI, CTICK,<br>China Energy Efficiency, WEEE<br>KVM: UL, ULc, CE, FCC, GOST, VCCI, CTick, MIC, ICES-003 | RoHs, China RoHs, UL, ULc, CB, CE, FCC/<br>EMC, BSMI, CCC, VCCI |



At-the-rack access using the Avocent LCD Console Tray with integrated Avocent KVM switch.

## ORDERING DETAILS

### AMERICAS AND EMEA

| PART NUMBER     | DESCRIPTION  |
|-----------------|--|
| LCD17-XXX       | 17-inch, dual-rail LCD Console Tray monitor with integrated keyboard, touch pad  |
| ECS19UWRUSB-XXX | 19-inch, LCD Console Tray monitor with USB keyboard, trackball and USB pass-through  |
| ECS19PWRUSB-XXX | 19-inch, LCD Console Tray monitor with PS/2 keyboard, trackball and USB pass-through (Available in NA only)  |
| ECS17KMM-XXX    | 1U 17-inch LCD Console Tray with USB keyboard, touch pad and USB pass-through  |
| ECS17KMMP-XXX   | 1U 17-inch LCD Console Tray with PS/2 keyboard, trackball and USB pass-through (Available in NA only)  |
| ECS17KMM8-XXX   | 1U 17-inch LCD Console Tray with integrated digital 8-port KVM over IP switch, USB keyboard, touch pad and USB pass-through                          |
| ECS17KMM8P-XXX  | 1U 17-inch LCD Console Tray with integrated digital 8-port KVM over IP switch, PS/2 keyboard, trackball and USB pass-through (Available in NA only)  |
| ECS17KMM16-XXX  | 1U 17-inch LCD Console Tray with integrated digital 16-port KVM over IP switch, USB keyboard, touch pad and USB pass-through                         |
| ECS17KMM16P-XXX | 1U 17-inch LCD Console Tray with integrated digital 16-port KVM over IP switch, PS/2 keyboard, trackball and USB pass-through (Available in NA only) |

### CABLES FOR ECS17KMM (AMERICAS & EMEA)

|            |  |
|------------|--|
| PS2IAC-7   | 7-foot PS/2 CAT-5 integrated access cable  |
| PS2IAC-10  | 10-foot PS/2 CAT-5 integrated access cable   |
| PS2IAC-15  | 15-foot PS/2 CAT-5 integrated access cable   |
| USBIAC-7   | 7-foot USB CAT-5 integrated access cable   |
| USBIAC-10  | 10-foot USB CAT-5 integrated access cable  |
| AVRIQ-PS2  | Server interface module for VGA, PS/2 keyboard, mouse                                    |
| AVRIQ-PS2L | Server interface module for VGA PS/2 keyboard, PS/2 mouse (extended version)             |
| AVRIQ-USB  | Server interface module for VGA, USB keyboard, mouse                                     |
| AVRIQ-VSN  | Server interface module for VGA or 13W3, Sun keyboard, mouse                             |
| AVRIQ-SRL  | Server interface module for VT100 serial devices for extended distance (requires UPD-AM) |
| UPD-AM     | Power supply, power cord and 4 output cables to support up to 4 AVRIQ-SRL modules        |

### APAC

| PART NUMBER   | DESCRIPTION  |
|---------------|--|
| LCD17-XXX     | 17-inch, dual-rail LCD Console Tray monitor with integrated keyboard, touch pad  |
| AP17KMM-XXX   | 17-inch LCD Console Tray with integrated keyboard, touch pad                     |
| AP17KMM8-XXX  | 17-inch LCD Console Tray with analog 8-port KVM, integrated keyboard, touch pad  |
| AP17KMM16-XXX | 17-inch LCD Console Tray with analog 16-port KVM, integrated keyboard, touch pad |

### CABLES FOR ECS17KMM (APAC)

|             |                  |
|-------------|------------------|
| APCAB-PS/2  | 1.8 M PS/2 cable |
| APCAB3-PS/2 | 3.0 M PS/2 cable |
| APCAB-USB   | 1.8 M USB cable  |
| APCAB3-USB  | 3.0 M USB cable  |

For country-specific availability, please contact an Avocent sales representative.

**Emerson Network Power.**  
The global leader in enabling  
*Business-Critical Continuity™*.

- AC Power
- Connectivity
- DC Power
- Embedded Computing

- Embedded Power
- Infrastructure Management & Monitoring
- Outside Plant
- Power Switching & Controls

- Precision Cooling
- Racks & Integrated Cabinets
- Services
- Surge Protection

Emerson Network Power  
Avocent Corporation [www.avocent.com](http://www.avocent.com)

EmersonNetworkPower.com

Emerson, Business-Critical Continuity and Emerson Network Power are trademarks of Emerson Electric Co. or one of its affiliated companies. ©2010 Emerson Electric Co.

1010-LCD-DS-EN