

**1T-HDMI-821, 1T-HDMI-841 and 1T-HDMI-881** High Definition Multimedia Interface (HDMI) Routing Switchers are ATC Certified and HDCP compliant. The 1T-HDMI-821 switches between two inputs, the 1T-HDMI-841 switches up to four inputs and the 1T-HDMI-881 switches eight inputs. All products maintain the signal components present within the encoded signal and allow the user to easily select program material without plugging and unplugging cables.

The switchers can be controlled via the front panel or with the included Infrared Remote Control. An Optional IR Extender accessory is also available, allowing the unit to be remotely located. RS-232 control is provided as a standard feature. HDTV resolutions of 480p, 720p, 1080i and 1080p are supported as well as 480i non-HDTV resolution.

All products will operate as desk top units. Alternatively, the 1T-HDMI-821 and 1T-HDMI-841 can be mounted in a remote location using supplied special mounting hardware. The 1T-HDMI-881 may be mounted in a standard 19" rack using supplied rack mounting ears.

All three products have been certified as being HDMI compliant by Silicon Image's ATC test facility. The units are housed in rugged metal cases. They are 5VDC powered and a Power Adapter is included. The DC power connector is a locking type for security. For best performance at long distances, premium grade cables are recommended.

## Specifications

### Video Inputs

|             |                               |
|-------------|-------------------------------|
| 1T-HDMI-821 | 2x HDMI via Type A Connectors |
| 1T-HDMI-841 | 4x HDMI via Type A Connectors |
| 1T-HDMI-881 | 8x HDMI via Type A Connectors |

### Video Output

|            |                              |
|------------|------------------------------|
| All Models | 1x HDMI via Type A Connector |
|------------|------------------------------|

### Video Specifications

|                   |                          |
|-------------------|--------------------------|
| HDTV Resolutions  | 480p, 720p, 1080i, 1080p |
| Maximum Bandwidth | 1.65GHz                  |
| SDTV Resolution   | 480i                     |

### Maximum Cable Lengths

|                      |                          |
|----------------------|--------------------------|
| Source to DA Input   | Up to 15m (45') (Note 1) |
| DA Output to Display | Up to 15m (45') (Note 1) |

### Mechanical

|                      |                              |
|----------------------|------------------------------|
| 1T-HDMI-821 (H-W-D)  | 28x220x71mm (1.1"x8.7"x2.8") |
| 1T-HDMI-841 (H-W-D)  | 28x220x71mm (1.1"x8.7"x2.8") |
| 1T-HDMI-881 (H-W-D)  | 44x431x103mm (1.75"x17"x8")  |
| 1T-HDMI-821 Wt (Net) | 450 g (1lb)                  |
| 1T-HDMI-841 Wt (Net) | 450 g (1lb)                  |
| 1T-HDMI-881 Wt (Net) | 2.27 kg (5 lbs)              |

### Environmental

|                       |                                     |
|-----------------------|-------------------------------------|
| Operating Temperature | 0° to +70°C (+32° to 158° C)        |
| Operating Humidity    | 10% to 90%, Non-Condensing          |
| Storage Temperature   | -25° C to +95 ° C (-13° to +203° F) |
| Storage Humidity      | 10% to 90%, Non-Condensing          |

### Certification

|      |                   |
|------|-------------------|
| HDMI | Silicon Image ATC |
|------|-------------------|

### Compliance

|              |     |
|--------------|-----|
| HDMI Version | 1.2 |
|--------------|-----|



## Key Features of the 1T-HDMI-800 Series Switchers

- Switches two, four or eight HDMI Sources
- Supports HDTV from 480p to 1080p
- Supports 480i SDTV
- HDMI Certified by Silicon Image's ATC Laboratory
- HDCP Compliant
- Supports DDWG Standard for HDMI Monitors
- Controllable via Front Panel or Included IR Remote
- Optional IR Extender available
- RS-232 Control Port Provided
- Mounting Brackets included with 1T-HDMI-821/841
- Rackmount Kit included with 1T-HDMI-881
- Locking DC Power Connector for Security

## Remote Control

|                  |                    |
|------------------|--------------------|
| Serial Interface | RS-232             |
| Infrared         | IR Remote Included |

## Warranty

|                  |                         |
|------------------|-------------------------|
| Limited Warranty | 2 Years Parts and Labor |
|------------------|-------------------------|

## Power Requirement

|                       |                      |
|-----------------------|----------------------|
| External Power Supply | 5VDC@2A – Locking DC |
|-----------------------|----------------------|

## Regulatory Approvals

|                |                            |
|----------------|----------------------------|
| Converter Unit | FCC, CE, RoHS, HDMI ATC    |
| Power Supply   | UL, CUL, CE, PSE, GS, RoHS |

## Accessories Included

|                        |                           |
|------------------------|---------------------------|
| 1x Power Adapter       | US, UK or Euro            |
| Operations Manual      |                           |
| IR Remote Control Unit |                           |
| Mounting Kit           | 1T-HDMI-821 & 1T-HDMI-841 |
| Rackmount Kit          | 1T-HDMI-881               |

## Product Item Number

|             |                           |
|-------------|---------------------------|
| 1T-HDMI-821 | 2x1 HDMI Routing Switcher |
| 1T-HDMI-841 | 4x1 HDMI Routing Switcher |
| 1T-HDMI-881 | 8x1 HDMI Routing Switcher |

## Optional Accessory

|            |                         |
|------------|-------------------------|
| 1T-IRR-100 | Remote IR Sensor Module |
|------------|-------------------------|

## Notes

(1) To achieve the max rated distance, use premium cables.

## Panel Drawings

