asi®
Signage Innovations ™

SlimLine
15" Digital Room Sign
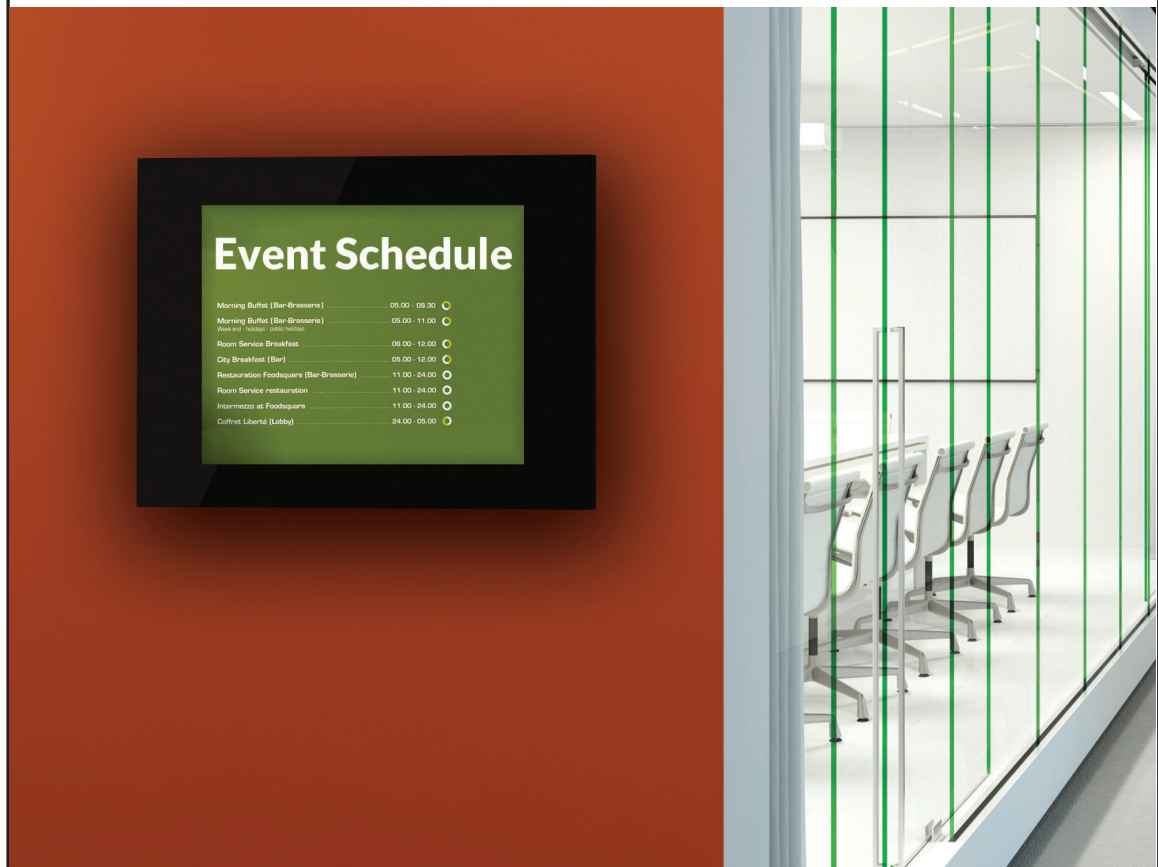Data Sheet

ASI Digital Signage System

Event Schedule

Morning Buffet (Bar-Brasserie)	05.00 - 09.30	○
Morning Buffet (Bar-Brasserie) Week-end · holidays · public holidays	05.00 - 11.00	○
Room Service Breakfast	06.00 - 12.00	○
City Breakfast (Bar)	05.00 - 12.00	○
Restauration Foodsquare (Bar-Brasserie)	11.00 - 24.00	○
Room Service restauration	11.00 - 24.00	○
Intermezzo at Foodsquare	11.00 - 24.00	○
Coffret Liberté (Lobby)	24.00 - 05.00	○

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ASI Signage
8181 Jetstar Drive,
Suite 100
Irving, TX 75063
214.352.9140
asisignage.com

Product Overview

The SlimLine Digital Display is a unique and beautiful design that lives up to the standard of our other products. The mechanical construction of the SlimLine Digital Display product has been optimized for ease of installation and service. The SlimLine Digital Display products is also tested for temperature properties to achieve long life, and is able to run at high duty cycles (24/7/365).

Our Digital Display product is developed as a generic digital sign based on CPU platforms which make it possible to install the most common operating systems as (OS) Windows and Linux. The CPU is powerful enough to handle rich media such as Flash and videos.

The SlimLine Digital Display sign is powered by a unique power system with only a CAT5/6 cable with both data and power. The sign is delivered with a power supply and PoE +injector which can be placed up to 65 feet from the sign.

15″ SlimLine Digital Display Sign

Mechanically, the sign has an outer cabinet and an inner display unit. This secures the compatibility between old and future display units that will be built to fit into the outer cabinet. Also for service purposes it is a big advantage.

Materials

The essential material used for 15″ SlimLine Digital Display outer cabinet housing is aluminium with Glass front.

Surface

The aluminum enclosure is black powder-coated. The removable cover glass is chemically treated for extra strength. The backside of the glass is black silkscreened.

Specifications

The following pages include mechanical and material specifications for the 15″ SlimLine Digital Display.

Size specification

Throughout this document, measurements will be stated in both millimeters and inches.

Logistics

SlimLine Digital Display signs are produced in USA and ordered as a complete product including the necessary power unit for the wanted powering method. As a standard the signs are configured for power with a PoE+ injector.

PoE is made as a configuration according to the specified powering method in the checklist for delivery.

The operating systems for the SlimLine Digital Display solution and will be preinstalled when delivered. Extension of hardware warranty and software maintenance is recommended, but shall be ordered separately.

Standard Features and Options

Typical use
- Meeting room sign
- Class room sign
- Auditorium
- Activity rooms
- Activity areas

Benefits
- Unique design
- High quality with glass front
- Can be integrated in wall or existing surface
- Easy to install
- Build to run 24/7/365

Outer Cabinet
Precision machined aluminum alloy and 3mm chemically strengthened glass

Front Glass
3mm chemically-strengthened glass with silkscreen on backside

Warranty
1 year limited return to depot warranty covering parts and workmanship. Optional 2 year (for a total of 3 years) warranty available. Optional extended software maintenance also available.

Service and Maintenance

Dismounting:
Front glass is removed by pulling away from and perpendicular to the panel surface. The retention strength of the cover-glass fastener clips make it difficult to remove from the enclosure. Take care handling the glass to prevent breakage of the glass. Use both hands when removing.

Cleaning:
When necessary the construction must be dismounted and cleaned with a vacuum cleaner, or blown with compressed air.

Painted surfaces: Use a soft cloth moistened with a mild window detergent.

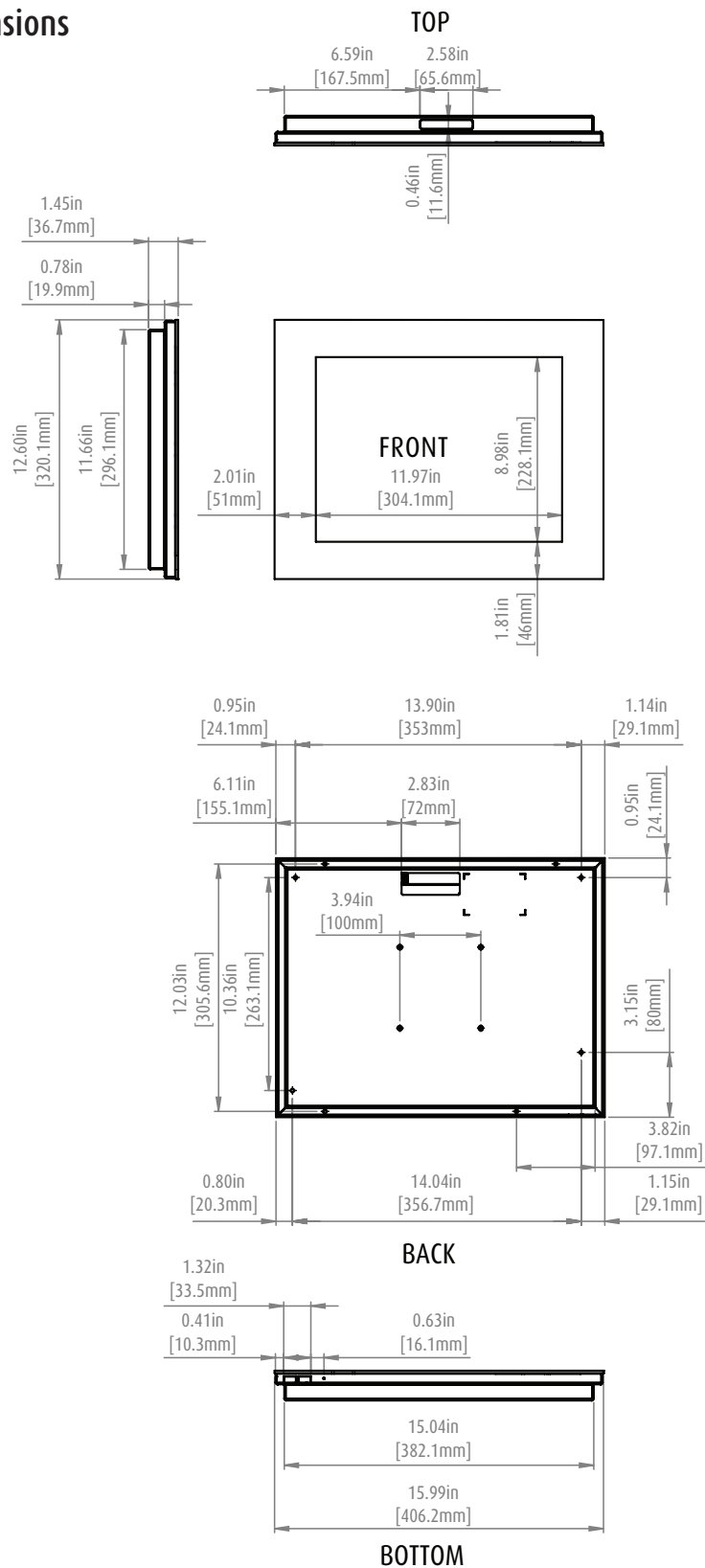Displays (polarizers): Use absorbent cotton or a soft cloth.

The desirable cleaners are water, IPA (Isopropyl Alcohol) or Hexane.

Do not use Ketone type materials (eg. Acetone), Ethyl alcohol, Toluene, Ethyl acid or Methyl chloride. It might cause permanent damage to the polarizer due to chemical reaction.
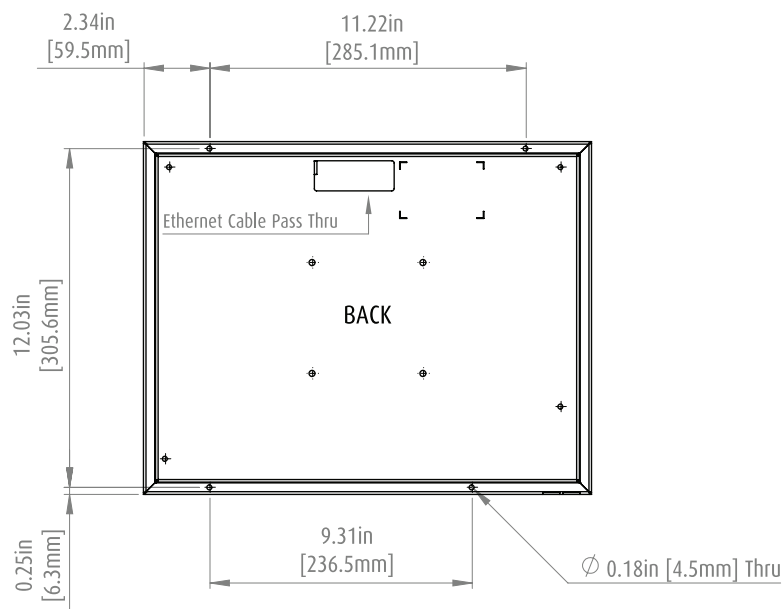
Specifications

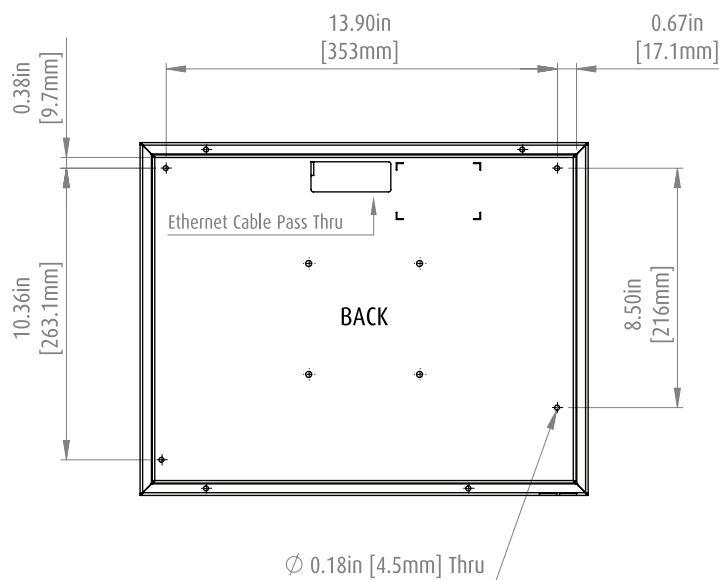| Display	
Screen size	15" TFT with LED Backlight
Aspect Ratio	4:3
Resolution	XGA (1024≥768)
Pixel Pitch (mm)	0.297
Display color	16.2M colors
Operating Life	50,000 hours
Touchscreen (Optional)	
Type	Projected capacitive
Resolution (X/Y)	21504 x 15872
Transparency	90%
Maximum Touch Points	2
Touch Accuracy	+/- 1.5mm
Processor and Chipset	
Processor	Intel Atom Dual Core N2600 (1.6GHz)
Chipset	Intel NM10 Express Chipset
Memory	2GB DDR3 (N2600)
Graphics	PowerVR SGX 545 (GMA 3600@400MHz) Integrated Graphic (N2600)
Storage Options	
CFast	32GB options available
IO	
USB	Two External USB 2.0 Ports Five Internal USB 2.0 Ports (One occupied by Touch)
Ethernet	One Gigabit Ethernet
Serial	Three Serial RS-232 Internal Headers One Serial RS-232/422/485 Internal Header
Expansion	One Mini PCI Express x1 Slot (full-size)
Chassis and Power Supply	
System Cooling	Fanless Natural Convection
Material	Enclosure : Aircraft aluminium Cover: Chemically-strengthened glass Anti-microbial overlay option available
Power Options	PoE+ (802.3at) powered through CAT5/6 cable 12VDC Direct DC Power Input
Dimensions (H x W x D)	12.60in x 13.90in x 1.45in (318.90mm x 431.90mm x 33.41mm)
Certifications	
Display	UL

Sign Dimensions

TOP

6.59in [167.5mm]

2.58in [65.6mm]

0.46in [11.6mm]

1.45in [36.7mm]

0.78in [19.9mm]

12.60in [320.1mm]

11.66in [296.1mm]

FRONT

2.01in [51mm]

11.97in [304.1mm]

8.98in [228.1mm]

1.81in [46mm]

0.95in [24.1mm]

13.90in [353mm]

1.14in [29.1mm]

6.11in [155.1mm]

2.83in [72mm]

0.95in [24.1mm]

3.94in [100mm]

12.03in [305.6mm]

10.36in [263.1mm]

3.15in [80mm]

3.82in [97.1mm]

0.80in [20.3mm]

14.04in [356.7mm]

1.15in [29.1mm]

BACK

1.32in [33.5mm]

0.41in [10.3mm]

0.63in [16.1mm]

15.04in [382.1mm]

15.99in [406.2mm]

BOTTOM

Mounting Diagrams

Recess Mounting Holes

2.34in
[59.5mm]

11.22in
[285.1mm]

Ethernet Cable Pass Thru

12.03in
[305.6mm]

BACK

0.25in
[6.3mm]

9.31in
[236.5mm]

⌀ 0.18in [4.5mm] Thru

Surface Mounting Holes

13.90in
[353mm]

0.67in
[17.1mm]

0.38in
[9.7mm]

Ethernet Cable Pass Thru

10.36in
[263.1mm]

BACK
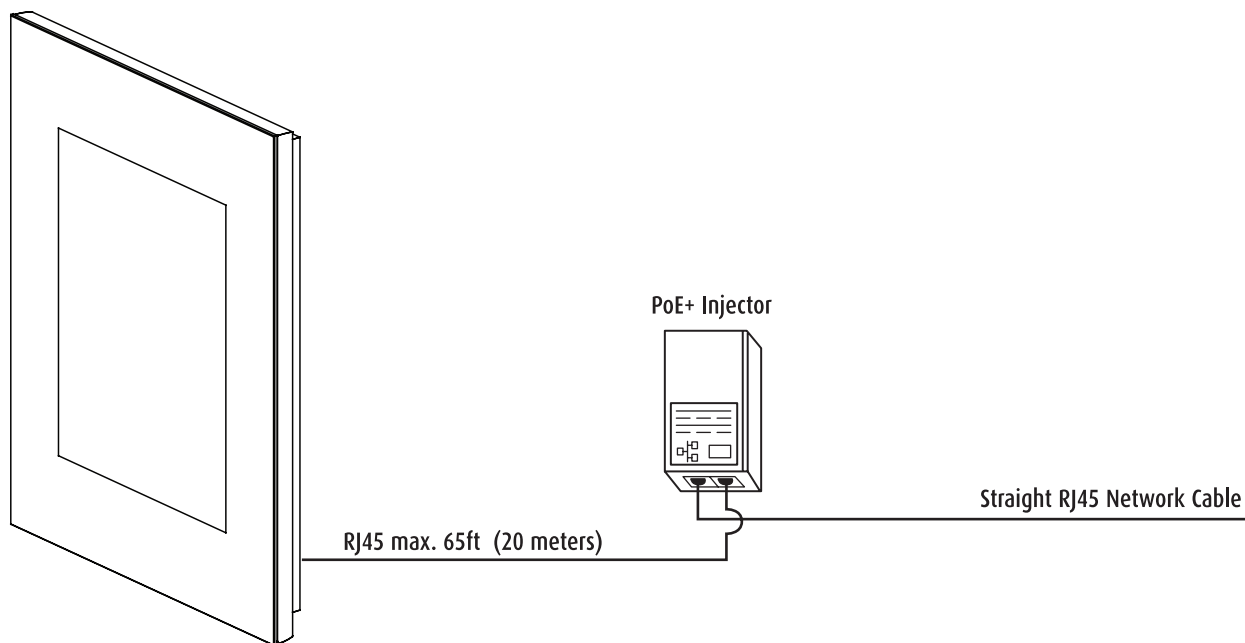
8.50in
[216mm]

⌀ 0.18in [4.5mm] Thru

Wiring

The power supply and the PoE+ Injector are placed outside the sign. The purpose of the PoE+ Injector is to combine power and network signal into one cable so that you only need one cable in connection with the sign. This cable can enter the sign through the hole in the cabinet as shown in the pictures on the previous page of this document.

The below technical drawings also show:
Length of cables measured from point of entrance (cable inlet) to the end of the cable/outlet

Wiring diagram:

PoE+ Injector

RJ45 max. 65ft (20 meters)

Straight RJ45 Network Cable

Mounting Details
The ethernet cable must be pulled into the sign before fixing the sign to the wall.

Guideline for mounting height: Place top of display 1700 mm [66.9"] above the floor.

33.6W Power over Ethernet Adapter High Power Single Port Injector

Features
- Compliant with the IEEE802.3at (standard)
- Diagnostic LEDs
- Gigabit Compatible
- Cisco AP1250 Full Power Support
- UNH IOL Tested
- Non-Vented Case
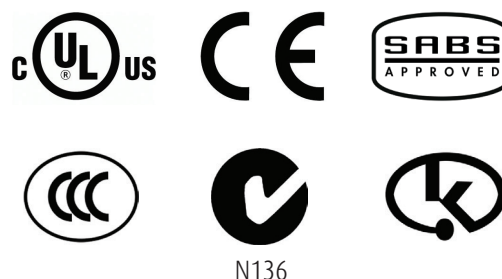- Full Protection OCP, OVP
- 1 Year Warranty

Mechanical Characteristics
- Length: 140mm (5.51in)
- Width: 65mm (2.55in)
- Height: 36mm (1.42in)
- Weight: 0.2Kg (0.44lb.)

Safety Approvals
- CE
- cUL/US
- Korea (PHC)
- CCC
- SSA
- SABS
- C-Tick

InterOperability Laboratory
Part of the University of New Hampshire Research Computing Center

N136

Input	
AC Input Voltage Range	90 to 264VAC
AC Input Voltage Rating	100 to 240VAC
AC Input Current	1.0A (RMS) and 90VAC at maximum load .55A (RMS) and 240VAC at maximum load
AC Input Frequency	47 to 63Hz
Output	
Total Output Power	33.6W
DC Offset	No Data degradation with DC imbalance 18mA
Ripple and Regulation	100mV maximum
Efficiency	78% (typical) at maximum load, and 120VAC 60Hz
Transient O/P Voltage Protection	60V maximum at switch on and off at any AC line phase