



CMS



PCUs and Touch Screens



SmartTouch™ LCD Touchscreens

2.8" and 4.3" Passenger-Crew User Interface Panels



2.8" Touchscreen
Shown with Bezel

DPI's LCD Touchscreen User Interface Panels Add Flexibility and Sophistication to Cabin Management System Control.

DPI LCD Touchscreen Control Panels provide users with simple, elegant yet high-tech control over aircraft cabin amenities such as audio-video source selection and control, lighting, shades, temperature, galley control and more.

Touchscreens reduce traditional push-button panel count by allowing multiple layers of control within the same surface area. What's more, touchscreens are as easy to integrate, into new or legacy cabin management systems as traditional push-button panels - and in many cases even easier!

DPI's compact and lightweight touchscreen design features a stylized program-mable graphical user interface for any control application scenario on the aircraft.

- » **Compact Lightweight Design**
- » **Reduces Panel Count - Simple to Install**
- » **Inputs and Display for Level Status**
- » **Can be Integrated Together for Multi-Panel Control**
- » **Seamless SmartLink™ Network Interface**

Cabin Control

- Climate Control
- Speakers
- Lavatory Control
- Powered Doors
- Shades
- Audio-Video Control
- Cabin Lighting and Scenes
- Passenger Lighting
- Lavatory Controls

Galley Control

- Attendant Call Map
- Ovens
- Fans
- Cabin Lighting
- Galley Lighting
- Water Heater
- Water Pressure
- Hot Water
- Cabin Call
- Airstairs

DPI SmartLink™ Data Bus
to other System Control Modules

General Specifications

Electrical

Operating Voltage (VDC)	5-10 VDC
Operating Current	Typical: 0.5A @ 28 VDC; 1.0A Max
Operating Temp (°C)	-10 ~ +70 °C
SmartLink Protocol	SmartLink V
SmartLink Compatibilities	SmartLink III and up

Display

LCD Type	TFT/Transmissive/Normally White
Sizes	4.3" Diagonal and 2.8" Diagonal
Viewing Direction	360°
Display Mode	Normally Black
Active Area 4.3"	3.742" x 2.12"
Active Area 2.8"	1.70" x 2.27"
Resolution 4.3"	480 x 272
Resolution 2.8"	240 x 320
Surface Luminance 4.3"	450 cd/m2 Typical
Surface Luminance 2.8"	250 cd/m2 Typical
Color Depth 4.3"	16.7M
Color Depth 2.8"	262K
Touchscreen Type	Resistive

Physical 4.3"

Outline Dimension	4.93 x 2.95 x 0.65
Weight	X
Connector Type	RJ45 (8 and 10 pin options)

Physical 2.8"

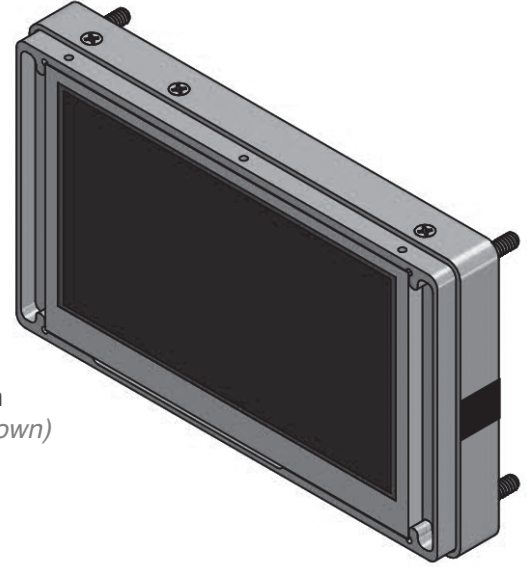
Outline Dimension	3.02 x 2.29 x 0.63
Weight	X
Connector Type	RJ45 (8 and 10 pin options)

Graphic Layout 4.3"

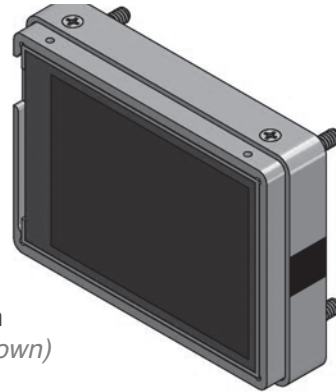
Portrait Mode	X Functions Displayed
Landscape Mode	X Functions Displayed

Graphic Layout 2.8"

Portrait Mode	8 Functions Displayed
Landscape Mode	9 Functions Displayed



TS-002-4X
4.3" Touchscreen
(Connector not shown)



TS-002-2X
2.8" Touchscreen
(Connector not shown)

(X designates 8 or 10 pin RJ45 Connector Option)

About DPI Lab's SmartLink™ Cabin Management System



SmartLink™ is the industry's most advanced system architecture for integrated cabin management of aircraft cabin lighting, audio/visual components, entertainment systems, and comfort control. Based on an RS-485 / C-Can data bus, SmartLink offers incomparable performance and flexibility for the particular requirements of private, business, commercial military and VVIP aircraft.