

BrightLink GoBoard™ 780Fi

1080p 3LCD Interactive Ultra Short
Throw Lamp-Free Laser Display



**PC-free, web-based
interactive display¹ for
collaborative learning.**



Simply power on and go — easy, intuitive Web-based interactive display provides easy access to online content and cloud storage without a computer¹

Best-in-Class Color Brightness² with 3-chip 3LCD technology — 4,100 lumens of color and white brightness³

Incredible image quality — Full HD 1080p resolution for amazing clarity and readability

See more, do more — ultra wide 21:9 and 16:6 display with split screen⁴ support allows for simultaneous display of whiteboard and digital content

Interactive display up to 100" — provides up to 80 percent more working space than a 75" interactive flat panel for a low cost per square inch

Multi-user capability for easy collaboration — dual-pen-enabled interactivity; optional slim design touch module allows up to eight users to collaborate at once

No lamps to replace ever — solid-state, 20,000-hour, virtually maintenance-free laser light source⁵

PC-free digital whiteboard — draw, save, print and email without a PC; also share whiteboard content to other networked BrightLink® projectors⁶

Connect up to 50 devices and cast from up to 4 devices simultaneously⁷ — free downloadable Epson iProjection™ software⁸ makes it easy to cast wirelessly from Chromebooks, iOS® and Android™ devices, Mac® computers and PCs⁷; with moderator feature⁹, teachers maintain control of the displayed content

Specifications

Projection System Epson® 3-chip 3LCD technology
Projection Method Front/rear/wall mount/table mount
Driving Method Epson Poly-Silicon TFT Active Matrix
Pixel Number 2,073,600 dots (1920 x 1080) x 3
Color Brightness³ Color Light Output: 4,100 lumens
White Brightness³ White Light Output: 4,100 lumens
Native Aspect Ratio 16:9, Supported Aspect Ratios: 4:3, 16:10, 21:9
Native Resolution 1920 x 1080 (1080p HD)
LCD 0.62"
Light Source Laser Diode
Laser Light Source Life⁵ Up to 20,000 hours, Extended Mode: Up to 30,000 hours
Image Size (Projection Distance)
 With ELPMB62 Mount:
 56.8" – 110" (14.1" – 27.2")
 60" – 110" (13.9" – 27.24") 16:6
 65" – 100" (14.01" – 22.7")
Keystone Correction (Manual) Vertical: ±3 degrees; Horizontal: ±3 degrees
USB Plug 'n Play Mac OS X® 10.8/10.9/10.10/10.11/10.12/10.13/10.14/macOS® 10.15.x, 11.0/12.0
USB Plug 'n Play for Windows® Windows 7/Windows 8/Windows 10, Windows 11
Contrast Ratio Up to 2,500,000:1
Color Reproduction Up to 1.07 billion colors

SMART Media Player Device

Operating System: Android ASOP 11
 System on Chip: Amlogic S905X4
 CPU: Quad-Core
 GPU: Mali-G31MP2
 ROM/RAM: 8GB/2GB
Video Output Performance
 Resolution: 3840 x 2160, 1920 x 1080, 1280 x 720
 Frames per Second: Up to 60 FPS
 Up to 4K 60 Hz
Interfaces
 HDMI® I/O: 1 x HDMI out (with HDCP 2.3)
 USB I/O: 1 x Micro-B USB, 1 x Type-A
Peripheral Support
 HID devices, USB Camera (UVC), USB thumb drive, Speaker/microphone
Application Web-Based Services Browser, Google Workspace™ for Education, Google Drive™, Google Meet™, Microsoft® Office 365 Education, OneDrive®, Microsoft Teams®, YouTube™, WebEx®
Firmware Update Support Network via Wireless LAN, USB Type-A, Epson Network Management Tool
Power Consumption 5V, 2A
Weight and Dimensions
 2.7 oz, 1.95" x .65" x 4.85" (W x D x H)

Wireless Specifications

Supported Security Modes
 OPEN, WPA2/WPA3-PSK, WPA2/WPA3-EAP
 Supported EAP Type: PEAP, PEAP-TLS, EAP-TLS, EAP-Fast
Supported Speeds
 IEEE 802.11 b: 11 Mbps* (2.4 GHz)
 IEEE 802.11 g: 54 Mbps* (2.4 GHz)

Interfaces

HDMI: 3x
 Composite Video: 1x RCA (yellow)
 Audio In: 3x Mini Stereo
 Audio Out: 1x Mini Stereo
 Microphone In: 1x Mini Stereo
 1x Type USB-A (powered 5V, 2 A)
 2x Type USB-B (USB display with audio and interactivity)
 Serial: 1x RS-232C
 Monitor Out/Computer: 1x D-Sub 15-pin
 Computer: 1x D-Sub 15-pin
 Integrated Wireless LAN: 802.11 b/g/n/ac
 Interactive Synchronization Mini Stereo In
 Interactive Synchronization Mini Stereo Out
 Touch Unit Connection Port

Wireless Specifications (Continued)

IEEE 802.11 n: 72.2 Mbps* (2.4 GHz)
 IEEE 802.11 a: 54 Mbps* (5 GHz)
 IEEE 802.11 n: 150 Mbps* (5 GHz)
 IEEE 802.11 ac: 325 Mbps* (5 GHz)
 * These modes and actual data throughput depend on supported wireless mode of source devices and/or environmental conditions.

Projection Lens

Type Manual focus
F-Number 1.6
Focal Length 3.7 mm
Throw Ratio Range 0.25 – 0.35
Zoom Ratio Digital zoom 1.00 – 1.35x

Other

Wireless Display Support Miracast®, Epson iProjection
Speaker 16 W monaural
Operating Temperature 41 °F to 104 °F (5 °C to 40 °C)
Power Supply Voltage 100 V – 240 V ±10%, 50/60 Hz
Power Consumption
 Normal Mode: 277 W, Quiet Mode: 214 W
 Standby (Communication On): 2.0 W
 Standby (Communication Off): 0.5 W
Fan Noise
 Normal Mode: 37 dB, Quiet Mode: 27 dB
Security Kensington lock provision, security anchor bar, password-protection function

Interactivity

Interactive Technology Infrared, 850 nm
Interactive Area (Image Size) 100" diagonal (16:9)
PC-Free Annotation 2 pens included; up to 6 points of touch included when optional Touch Module is installed
Calibration Method Automatic or Manual
BrightLink GoBoard 780Fi Software Requirements*
 Windows 10 version 1803 or later
 CPU quad-core 2 GHz
 RAM DDR3 8 GB
 Camera and microphone (for AV conferences, voice commands)
 * Software requirements only applicable if the user has a computer connected to the BrightLink GoBoard 780Fi.



Additional USB-A port on side of display.

Dimensions (W x D x H)

Excluding Feet 14.1" x 15.6" x 5.3"
Weight 13.2 lb

Remote Control

Features Computer, HDMI, USB, LAN, Source Search, Power, Aspect, Color Mode, Volume, E-Zoom, A/V Mute, Freeze, Menu, Auto, Enter, Esc, User, ID, Default, Home, Split
Operating Angle
 Rear: Right/Left: -55 to +55 degrees, Upper/Lower: +75 to +15 degrees
 Front: Right/Left: -30 to +30 degrees, Upper/Lower: 0 to +60 degrees
Operating Distance 19.7 ft (6 m)

Eco Features

RoHS compliant
 End-of-life options available¹⁰
 Epson America, Inc. is a SmartWay® Transport Partner¹¹

Support

Service Programs 3-year projector limited warranty, Epson Road Service Program, dedicated toll-free support

What's Included

BrightLink GoBoard 780Fi ultra short throw interactive display, Quick Start Guide, 6' power cable, 16' USB A/B cable, projector Android-based smart media player, remote control, 2x interactive pens, 4x soft pen tips, 2x hard pen tips, pen tray, 2x AA batteries (for interactive pens), 2x AA batteries (for remote), projector feet, corner markers, magnets for corner markers

Ordering Information

BrightLink GoBoard 780Fi	V11HB06020
Ultra Short Throw Wall Mount (ELPMB62)	V12HA06A05
Interactive Touch Module	V12H007A23
Active Speakers (ELPSP02)	V12H467020
Wireless 802.11 b/g/n LAN Adapter (ELPAP11)	V12H005A02
100" Whiteboard (16:9)	V12H006A02
Air Filter	V13H134A60
Interactive Pen A (orange)	V12H773010
Interactive Pen B (blue)	V12H774010
Replacement Pen Tips (hard/Teflon™)	V12H775010
Replacement Pen Tips (soft/felt)	V12H776010
DC-07 Document Camera	V12H759020

1 Requires Internet access to utilize Web-based features. 2 Color brightness measured per IDMS 15.4. Additional colors and picture modes tested. Top-selling Epson 3LCD projectors vs. comparable top-selling 1-chip DLP projectors based on NPD sales data for October 2019 – September 2020. COLOR BRIGHTNESS WILL VARY BASED ON USAGE CONDITIONS. 3 Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118. 4 Consult your user manual for Split Screen options. 5 No required maintenance for the light source for up to 20,000 hours. Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 – 0.20 mg/m³ of particulate matter. Time varies depending on usage conditions and environment. Replacement of parts other than the light source may be required in a shorter period. 6 Networked Screen Sharing is supported by the following models: BrightLink 725Wi, 735Fi, 760Wi, 770Fi, 780Fi, 1480Fi and 1485Fi. 7 The projector supports direct peer-to-peer wireless casting of local content from Miracast-enabled devices or via the Epson iProjection app. For best performance when using iProjection, it is recommended that the projector and connecting devices be configured on a network, either through the Ethernet port on the projector or via a wireless connection. iProjection allows up to 50 devices to connect, while displaying up to a maximum 4 devices simultaneously. The Epson iProjection App does not support all files and formats. See www.epson.com/iprojection for details. 8 Internet connection required for download. Data usage fee may apply. 9 Moderator control, connecting via QR code and projector remote are not available on Epson iProjection for Chromebooks. 10 For convenient and reasonable recycling options, visit www.epson.com/recycle 11 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

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