Specifications

SMART Board™ interactive whiteboard system
Model 480iv

Physical specifications

SMART Board™ 480 interactive whiteboard

<table>
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<tr>
<th>Specification</th>
<th>Measurement</th>
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| **Size**                      | 160.5 cm W × 127.2 cm H × 12.8 cm D  
| (63 3/16" × 50 1/16" × 5 1/16") |
| **Active screen area**         | 156.5 cm W × 117.3 cm H  
| (maximum interactive projected image) | 195.6 cm (77") diagonal |
| **Weight**                    | 23.2 kg (51 lb.)  
| **Shipping size**             | 178 cm W × 136 cm H × 11 cm D  
| (70" × 53 1/2" × 4 5/16")     |
| **Shipping weight**           | 28.7 kg (63 lb. 3 oz.)       |

SMART V25 projector system

<table>
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<tr>
<th>Specification</th>
<th>Measurement</th>
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| **Total size**                | 47 cm W × 39.4 cm H × 130.2 cm D  
| (18 1/2" × 15 1/2" × 51 1/4") |
| **Remote control**            | 4 cm W × 8.6 cm H × 0.7 cm D  
| (1 5/8" × 3 3/8" × 1/4")      |
| **Weight**                    | 6.7 kg (14 lb. 8 oz.)        |
| **Shipping size**             | 72.5 cm W × 45 cm H × 17 cm D  
| (28 1/2" × 17 3/4" × 6 5/8")  |
| **Projector box**             | 45 cm W × 32.6 cm H × 16.1 cm D  
| (17 3/4" × 12 7/8" × 6 3/8")  |
| **Shipping weight**           | 9.3 kg (20 lb. 8 oz.)        |

All dimensions +/- 0.3 cm (1/8"), All weights +/- 0.9 kg (2 lb.)
Standard features

Software
SMART Product Drivers and SMART Notebook™ collaborative learning software installation CDs are included. Software upgrades are available from smarttech.com/software.

System requirements
Windows® operating systems and Linux® operating systems. See documents 126571 and 146487 for a complete list of system requirements.

Environmental compliance
China EIP, EU WEEE, US CPSIA, Packaging and EU RoHS

Regulatory certification
CSA (for SMART Board 480 interactive whiteboard only), CB, CE, FCC, C-Tick, CCC, PSE, PSB, KC, NOM, Gost-R, VCCI, cUL (for SMART V25 projector system only) and TU-VGS (for SMART V25 projector system only).

Warranty
The projector and projector lamp have a two-year limited equipment warranty. Your interactive whiteboard has a two-year limited equipment warranty. See warranty documents for details.

Cables
Includes a 3 m (118 1/8") USB cable and a country-specific power cable

Interactive whiteboard features

Pen
A pen tray pen is included

Resolution
Digitizing resolution is approximately 32767 × 32767

Screen surface
The hard-coated steel surface is durable, optimized for projection, compatible with dry-erase markers and easily cleaned with whiteboard cleaner or isopropyl alcohol (IPA).

Digitizing technology
DViT™ (Digital Vision Touch) technology

Frame finish
Dark gray (approximates Pantone® Charcoal Gray 18-0601 TPX)

Wall-mount bracket
Includes a 81.3 cm (32") wide bracket, five screws and five concrete or brick anchors to support your wall-mounted interactive whiteboard

Projector mounting template
Ensures simple installation and accurate alignment between your projector and your interactive whiteboard

Installation instructions
The installation instructions for your SMART Board 480iv interactive whiteboard system are included in the SMART V25 projector boom box. Additional documentation is available at smarttech.com/support.

IMPORTANT
Do not use the installation instructions included in your SMART Board interactive whiteboard's box when installing your SMART Board 480iv interactive whiteboard system.
**Power requirements**
Obtains power from the computer through the USB cable. Power consumption is less than 0.5 W (100 mA at 5V).

**Computer connection**
12 Mbit/s USB connection (full-speed USB 1.1 or USB 2.0)

Your SMART Board 480 interactive whiteboard supports one computer connection on a primary display only.

**SMART V25 projector system features**

**System components**
SMART V25 projector, remote control and boom mount with a safety tether

**Image adjustment**
The boom mount includes mechanical adjustments for aligning the projector image with your interactive whiteboard. The projector also has a focus ring and a digital on-screen menu for adjusting brightness, contrast and other image-related attributes.

**Display type**
Native XGA 1024 × 768 projector

**3D technology**
3D-ready projector using DLP® Link™ technology

**Display technology**
The projection engine uses DLP technology by Texas Instruments™, providing BrilliantColor™ performance and quality Gamma 2.2 correction with Bright Room, Dark Room, sRGB, User and SMART Presentation modes.

**Brightness**
Estimated at 2000 lumens (typical) at a CCT of 6500 K by the IEC method

**Lamp life**
4500 hours in Standard 190 W mode or 6000 hours in Economy 160 W mode

**Aspect ratio**
4:3 native, with support for 16:9, 16:10 and 5:4 ratios

**Contrast ratio**
1600:1

**Video system compatibility**
NTSC, NTSC 4.43, PAL, PAL-N, PAL-M, SECAM

**Video interface compatibility**
Composite, S-video, and VESA RGB, with additional interface support for Component YPbPr and Component YCbCR inputs with the proper adapters (not included)

**Video format compatibility**
Native 4:3 aspect ratio XGA projector resolution. With scaling, supports VGA, SVGA, SXGA, Quad VGA, SXGA+ and UXGA formats.

**Synchronization**
Auto image synchronization (auto tracking, frequency, position adjustment, source detect and phase detect)

**Mounting hardware**
A mounting hardware kit is included with the projector system

**Input/output connections**
- HD DB15F connectors – RGB video input from the computer
- 4-pin mini-DIN connector – S-video input
- Pair of audio jacks (RCA, stereo) – reserved for use with S-video
- Composite video connector – RCA-style video input
- Pair of audio jacks (RCA, stereo) – reserved for use with composite video
- 3.5 mm stereo jack – audio input from the computer
- 3.5 mm stereo jack – audio output to connect speakers
• RJ45 – network connection for SNMP management and control, and for sending e-mail alerts
• DB9F (RS-232) connector input for control codes from external source

Projector fan
• Standard speed – 0 m to 1829 m (0’ to 6000’): 5°C to 35°C (41°F to 95°F)
• High speed – 1829 m to 2073 m (6000’ to 6800’): 5°C to 30°C (41°F to 86°F)

Projector noise
36 dBA (high fan speed) or 31dBA (standard fan speed), measured using JIS method

Power requirements
100V AC to 240V AC, at 50 Hz to 60 Hz

Power cable
Includes a 4.5 m (14’ 9") power cable

External control
The DB9F (RS-232) connector is configured to accept control codes from your computer or a room control system.

Power consumption
240 W in High Brightness, 200 W in Economy mode and <1 W in Standby mode (no Ethernet).

Remote control
Provides a method of controlling the SMART V25 projector settings

Theft protection
The SMART V25 projector system features an optional padlocked ring to prevent theft. A Kensington® security slot is provided to affix the system to a wall as a visual and physical theft deterrent.

Storage and operating specifications

Storage
-20°C to 50°C (-4°F to 122°F)

Operation
• Using standard fan speed: 0°C to 35°C (32°F to 95°F) from 0 m to 1829 m (0’ to 6000’)
• Using high fan speed: 5°C to 30°C (41°F to 86°F) from 1829 m to 2073 m (6000’ to 6800’)
• In Service mode: 0°C to 35°C (32°F to 95°F) from 2073 m to 2987 m (6800’ to 9800’)

SMART order numbers

SB480iv 195.6 cm (77") diagonal SMART Board 480 interactive whiteboard with a SMART V25 projector system

01-00281-20 Replacement projector lamp

Optional accessories
For more information on additional accessories for your SMART Board 480 interactive whiteboard, see smarttech.com/accessories.
Physical dimensions

Right side view

130.2 cm (51 1/4“)
217.6 cm (85 5/8“)

Front view

160.5 cm (63 3/16“)
195.6 cm (7“)

Projector mounting bracket

28 cm (11“)
8.3 cm (3 1/4“)
19.4 cm (7 5/8“)