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# SMART Board® QX (V2) Pro series with iQ



## Display

Screen sizes (diagonal)	86"
Backlight	LED
Aspect ratio	16:9
Maximum display resolution	4K UHD (3840 × 2160)
Refresh rate	60 Hz
Lifespan	≥ 50,000 hours
Brightness 1	490 cd/m <sup>2</sup>
Display response time	≤ 8 ms
Viewing angle	178°
Glass	Optically bonded   Anti-glare   Anti-fingerprint   Heat-tempered
Frame color	Black
Convenience buttons	Power   Home   Volume   Microphone mute   Freeze frame
Sensors	Proximity   Ambient light   Infrared   Room temperature   Humidity   Volatile organic compound (VOC)   Particulate Matter (PM <sub>2.5</sub> ) <sup>2</sup>
Audio	Integrated soundbar featuring two 20 W speakers and a 15 W subwoofer Integrated linear eight-microphone array with visual mute status indicator and support for onboard acoustic echo cancellation
Video	4K, 8.28MP, ePTZ with 10× Digital Zoom, 120FOV See > <a href="#">SMART Ultra HD Camera 120</a>

NFC	Integrated RFID NFC reader/writer CCID (chip card interface device) when used with a native operating system driver for Windows®, Linux®, or Mac Supported protocols: ISO 14443A/B, ISO 15693, NFC Tag 1-4
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## Interactive experience

Touch technology	HyPr Touch™ with Advanced IR
Touch features	Simultaneous tool differentiation Object Awareness™ Pen ID™ Silktouch™ Pressure sensitive ink Palm rejection Tool Explorer™ v2
Typical touch response time	≤ 4 ms
Frame rate	≥ 300 Hz
Accuracy	1 mm
Minimum object size	2 mm
Multitouch capabilities	Up to 50 touch points (OS dependent)
Tools included	Stylus with multi-color select and fine eraser (×2) Erasers with angle of orientation (×2)
Tool holders	Intelligent   Magnetic   Frame-mounted

<sup>1</sup>Brightness of individual displays can vary.

<sup>2</sup>The display's environmental sensors are not life safety rated sensors: they provide general information only.

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### Software

Included	iQ embedded Android™ OS SMART Meeting Pro® <ul style="list-style-type: none"> <li>▸ Room license</li> <li>▸ Personal licenses (×10)</li> </ul> SMART Product Drivers and SMART Ink® SMART Remote Management <sup>3</sup>
Optional	SMART TeamWorks™

### iQ embedded Android OS

Operating system	Android version 13.0 (Automatic update to Android version 15.0 scheduled for the second half of 2025.)
CPU	Octa-core
Memory	8 GB DDR4
OS architecture	64-bit
Storage	64 GB (up to 576 GB)
User interface	4K UHD (3840 × 2160)
Digital whiteboard	✓
Web browser	✓
Screen sharing	✓
Google Play™ Protect Certified <sup>4</sup>	✓
Google Play Store	✓
Other features	Personalized home screen and settings Split screen Templates, graphic organizers, and manipulatives File and app libraries Environmental sensors dashboard Tool Explorer™ Image Editor
Ability to run third-party applications	✓
Cloud storage access	✓
NFC sign in to a SMART Account	✓
Device-based sign in to a SMART Account	✓

<sup>3</sup>Subscription for the length of the included warranty  
<sup>4</sup>Pending final testing

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Languages supported	Basque   Catalan/Valencian   Chinese (simplified)   Chinese (traditional)   Czech   Danish   Dutch   English   Estonian   Finnish   French   Galician   German   Greek   Hungarian   Italian   Japanese   Korean   Latvian   Lithuanian   Norwegian   Polish   Portuguese   Romanian   Russian   Slovak   Slovenian   Spanish   Swedish   Ukrainian   Vietnamese   Welsh
Updates	Automatic over-the-air (OTA)

### PC computing

OPS support <sup>5</sup>	SMART PCM modules
PC module power supported OPS	100 W
Optional computing module	See > <a href="https://smarttech.com/accessories">smarttech.com/accessories</a>

Inputs	Front	Back
OPS PC accessory slot	–	1
MicroSD slot with security cover	–	1
HDMI® 2.1 4K @ 60Hz with HDCP 1.4, HDCP 2.3, ARC, and eARC support <sup>6</sup>	1	3
VGA video	–	1
Stereo 3.5 mm (variable)	–	1
RS-232 (DB-9 connector)	–	1
RJ45 (LAN IN)	–	1
USB Type-C 4K @ 60Hz, Display Port 1.2, USB 2.0 (UFP) for touch and digital audio, USB 3.2 Gen 1 (DFP) for peripherals; 65 W power delivery	1	1
USB Type-C, SuperSpeed (5 Gbps); 15 W power delivery	–	1 (top)
USB 2.0 Type-A	–	1
USB 3.2 Gen 1 Type-A	2	2
USB 3.2 Gen 1 Type-B	1	3

<sup>5</sup>The support and performance of third-party OPS (Open Pluggable Specification) and OPS-C modules may vary. Conduct proper compatibility testing to avoid potential issues.  
<sup>6</sup>ARC and eARC support are available only with the HDMI 2 input.

Outputs	Front	Back
HDMI 2.1 4K @ 60Hz with HDCP 2.3 support	-	1
USB Type-C 4K @ 60Hz Display Port 1.4a, HDCP 2.3 and HDCP 1.3, USB 3.2 Gen 1 (DFP) for touch ingest and peripherals; 4.5 W power delivery	-	1
Stereo 3.5 mm (variable)	-	1
S/PDIF optical (fixed)	-	1
RJ45 (LAN OUT)	-	1

Included cables and accessories	Qty
Country-specific power cable	1
16' 5" (5 m) USB 2.0 A to B cable	1
6' (1.8 m) USB4 Type-C cable, 100W	1
Stylus with multi-color select and fine eraser	2
Bar erasers	2
External dual-band (2.4 and 5 GHz) antennas	2
Remote control	1
AAA batteries	2
SMART Ultra HD Camera with mounting and cable accessories	1
Illustrated installation instructions	1
Important information document	1

Connectivity	
Wired	RJ45 (x2) 1000BASE-T
Wi-Fi	IEEE 802.11ax (Wi-Fi 6e) supporting WPA, WPA2, WPA3 PSK, and 802.1X EAP authentication protocols
Bluetooth	5.2 dual mode

Storage and operating requirements	
Power requirements	100V to 240V AC, 50 Hz to 60 Hz
Operating temperature	41–95°F (5–35°C)
Storage temperature	-4–140°F (-20–60°C)
Humidity	5–80% relative humidity, non-condensing

### Power consumption

Typical	86": 122 W
Standby	<0.5 W

### Certification and compliance <sup>7</sup>

Regulatory models	IDQX65-1   IDQX75-1   IDQX86-1
US/ Canada	UL   FCC   ISED   TSCA   CONEG Packaging   Proposition 65
EU/ EEA/ EFTA/ UK	CE   UKCA   LVD   CB   EMC   RED   REACH   RoHS   Battery   WEEE   Packaging   POP   Ecodesign
Australia / New Zealand	RCM
Performance standards	ENERGY STAR®   HDMI   HDCP

### Purchasing information <sup>8</sup>

Order numbers	
QX286- V2-P	SMART Board® QX086-V2 Pro interactive display with iQ

### Optional accessories

WM-SBID-200	SMART Wall Mount for SMART interactive displays
Other accessories	See > <a href="https://smarttech.com/accessories">smarttech.com/accessories</a>

### SMART Warranty

Terms and conditions and warranty upgrade options vary by region. Visit [smarttech.com/warranty](https://smarttech.com/warranty) or contact your reseller for information.

<sup>7</sup>Product availability may vary by region.

This product has received additional certifications not listed here.

<sup>8</sup>Order numbers may vary by region.

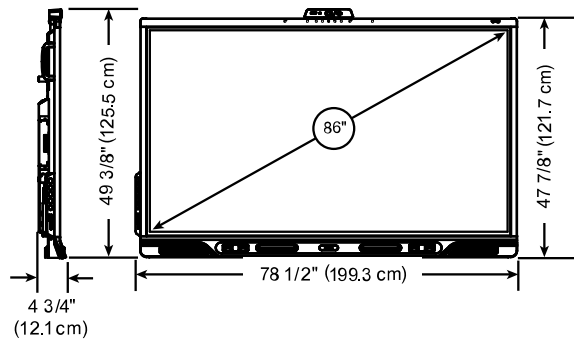
**Installation, dimensions, and weights**

**Notes**

- ▮ All dimensions ± 1/8" (0.3 cm). All weights ± 2 lb. (0.9 kg).
- ▮ Product ships upright.
- ▮ Leave space around the display to ensure adequate ventilation.

**86" models**

**Dimensions**



**Weight**

154 lb. (70 kg)

**Shipping dimensions (including pallet)**

84 1/4" × 57 1/4" × 7 5/8"  
(214 cm × 145.4 cm × 19.5 cm)

**Shipping weight**

190 lb. (86 kg)

**VESA mount**

M8 | 800 × 600 mm

**Handles**

2

**Cable requirements**

See > *SMART cables and connectors guide*  
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