

Display 86

LINKVIL Smart Display

Datasheet

LINKVIL Display 86 all-in-one interactive display is designed for modern meeting and education environments, combining clarity, responsiveness, and ease of use. With a 4K Ultra HD display, it delivers sharp visuals and a wide viewing angle, while anti-glare tempered glass reduces reflections for comfortable viewing. The high-precision touch system ensures smooth, lag-free writing, enhanced by dual-pen support for real-time brainstorming and teaching. Features like wireless screen sharing, split-screen multitasking, and smart wake-on-signal enable seamless and efficient collaboration, while the customizable quick menu provides instant access to key functions for a more intuitive user experience.



Highlights

- 4 mm Anti-Glare Tempered Glass for reduced reflections and more comfortable viewing
- 4K Ultra HD Display with 4K UI rendering across all channels
- High-Precision IR Touch for smooth, responsive writing
- Wireless Screen Sharing for quick and easy content sharing
- Smart Wake-on-Signal via HDMI or network input
- Split-Screen Mode for side-by-side multitasking
- Floating Quick Menu with customizable one-tap shortcuts

Specifications

Display 86 Smart Display

Display parameters	Screen Size	86 inches
	Screen Type	LCD
	Backlight Type	Direct type
	Response Time	5 ms
	Display Ratio	16:9
	Display Area	1895 (width) × 1066 (height) mm
	Resolution	3840 × 2160
	Pixel Pitch	0.4935 × 0.4935 (horizontal/vertical) mm
	Refresh Rate	60 Hz
	Display Colors	1.07 billion (8 bits + FRC dithering)
	NTSC (Typ.)	72%
	Contrast Ratio (Typ.)	1200:1
	Viewing Angle	178° (horizontal/vertical)
	Brightness (Typ.)	400 nits
	Panel Grade	A
	Surface Hardness	7H
	Backlight Lifespan	≥ 50,000 hours
System Specifications	Operating System Version	Android 16.0
	CPU	Quad-core ARM Cortex-A72 + Quad-core Cortex-A53 CPU
	GPU	ARM Mali-G52 MC3
	NPU	Int4/int8/int16/FP16/BF16/TF32, Max. 6 TOPs
	RAM + ROM	8 GB RAM + 128 GB internal storage
	OSD Language	Simplified Chinese, Traditional Chinese, English, Spanish, Korean, Japanese, Russian, Vietnamese, French, German, Italian, Dutch, Arabic, Indonesian, Kazakh, Polish, Portuguese, Thai, Ukrainian
	Support OPS Version	OPS-C+
Speaker	Audio Channel	2.0
	Power Output	8 Ω, 2 × 15 W
Microphone	Number of Microphones	8
	Pickup Range	8 m
Touch parameters	Touch Technology	Infrared Recognition
	Touch Points	20-point touch in Android; up to 40-point touch in PC mode
	Touch Accuracy	± 1 mm (90% area)
	Touch Object Diameter	7 mm
	Input Method	Finger, Opaque pen
	Response Time	≤ 5 ms single point
	Minimum Recognizable Object Size	≤ 2 mm
	Activation Height	≤ 1 mm
	Touch Resolution	32767 (W) × 32767 (D)
	Communication Interface	USB + Serial Port
Bluetooth	Version	5.2
	Frequency	2.4 GHz

	Operating Range	0–10 m (open space)
Wi-Fi	Version	Wi-Fi 6 (802.11ac/b/g/n/ax)
	Frequency	2.4 GHz / 5 GHz
	Operating Range	0 - 10 m
Front panel interfaces	USB-A 3.0	2
	HDMI Input	1
	TOUCH 2.0 (Type-B)	1
	USB-C 3.0 Input	1
	Button	Short press to turn on/off, long press to enter sleep mode.
Rear panel interfaces	COAX Output	1
	TF Card Slot	1
	USB-A 3.0	1
	USB-A 2.0	1
	Line In (3.5 mm)	1
	RS-232	1
	TOUCH 3.0 (Type-B)	1
	HDMI Input	2
	RJ45 Ethernet Port	1
	USB-C 3.0 Output	1
	Line Out (3.5 mm)	1
	HDMI Output	1
	OPS Slot (80-Pin Standard)	1
Power Parameters	Voltage Range	100 V - 240 V, 50 Hz or 60 Hz
	Maximum Power Consumption	≤ 450 W
	Standby Power Consumption	≤ 0.5 W
Wall Stand	Wall-mounted Crossbeam Bracket	1
	Wall-mounted Vertical Beam Bracket	2
	6 × 50 mm White Plastic Expansion Pipe	8
	6 × 50 mm Wall Screw	8
	M8 × 20 mm Black Galvanized Mechanical Screw	4
	M5 × 100 mm Screws	2
General	Product Dimensions	1953 × 105 × 1165 mm (length × width × height)
	Packaging Dimensions	2050 × 200 × 1350 mm (length × width × height)
	Unit + Wall Mounting Thickness	127 mm
	VESA Mounting Pattern	400 × 800 mm (Length × Width)
	Wall Mounting Screw Specifications	M8 × 20 mm
	Net Weight	55 kg
	Gross Weight	72 kg
	Operating Temperature	0 ° C to 40 ° C (32 ° F to 104 ° F)
	Operating Humidity	10% to 90% RH
	Storage Temperature	-20 ° C to 60 ° C (-4 ° F to 140 ° F)
	Storage Humidity	10% to 90% RH

	Maximum Operating Altitude	≤ 5,000 m
	Packaging Contents	86-inch Smart Display ×1
		Remote Control ×1
		1.8 m Power Cable ×1
		3 m HDMI Cable ×1
		3 m Touch Cable ×1
		Opaque Pen ×2
		Wi-Fi Antenna ×3
		Wall Mount Kit
Compliance		CE FC RoHS

About LINKVIL

As a sub-brand of Fanvil, LINKVIL focuses on the research and development of A&V-IoT wireless communication products. Based on Audio & Video-IoT, LINKVIL helps customers to achieve full connection of wireless communication systems and will build a wireless communication ecosystem for multi-scenarios to help different industries accelerate their digital transformation.

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More Information

The above specifications may be updated in the future without prior notice. All hardware/software/physical features should be based on the final shipped products.
For more information, please visit: www.fanvil.com

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