

K B ELEMENTS

INTERACTIVE FLAT PANEL DISPLAY

ELT86P14DE

USER MANUAL

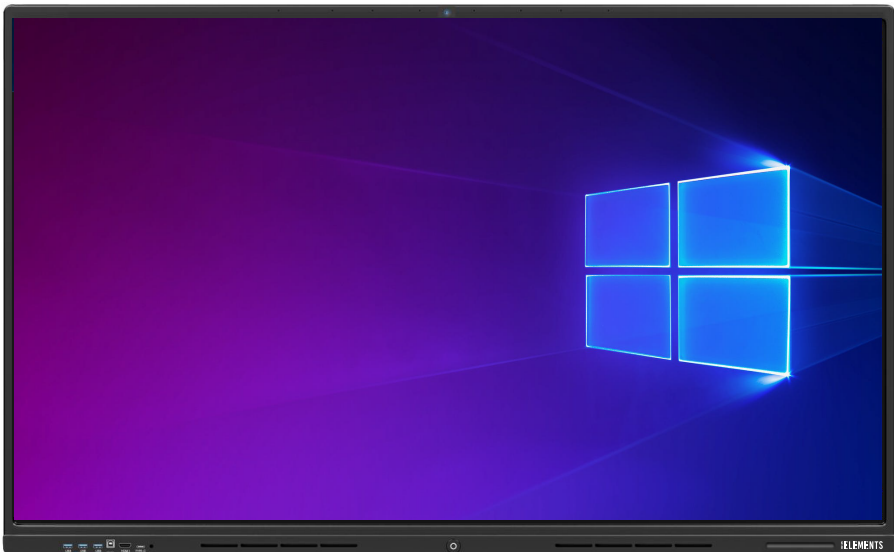
Read this manual carefully and retain for future reference

The display features a sleek commercial black appearance with a thin and ultra-narrow bezel. It offers high-precision infrared touch control and supports intelligent pen tip recognition for a natural writing experience. With wireless screen sharing capabilities and a smooth, responsive system, it delivers an efficient and user-friendly performance.

PANEL FUNCTION

The panel supports over 40 simultaneous touch points, providing an advanced writing experience suitable for multiple users. It includes an intelligent Android whiteboard for accurate handwriting input. Users can scan a meeting QR code to instantly save and share meeting minutes, making data distribution more efficient. Annotation is supported across all input sources. The system allows scheduled sleep and power on/off settings to conserve energy. It also supports seamless switching between multiple languages and system themes for greater flexibility. Users can long-press with three fingers on any interface to reposition the on-screen compass. This compass includes six functional shortcuts: Return, Whiteboard, OPS, Homepage, Multitasking, and Annotation. The compass can be minimized into a small circle or hidden when not in use, and the automatic hiding time can be customized. When a signal source is connected, the system can either switch to the corresponding input automatically or display a pop-up prompt asking whether to switch. Swiping right on the home screen brings up a preview interface for connected news sources, which appear in a list and can be tapped to preview. The device also supports wireless screen transmission, multi-screen interaction, one-click casting, two-way control, and multi-user collaboration. Content can be shared within a backup system for added convenience. Tapping the left or right edge of the screen opens a functional sidebar menu accessible from any channel. The menu includes options such as Return, Homepage, System Settings, File Manager, Signal Source List, Control Panel, and Power Options. If no action is taken, the sidebar automatically hides after 10 seconds. The front speaker design ensures clear and undistorted audio output, even when the panel is embedded in a surface or wall.

OVERALL APPEARANCE



PANEL PARAMETERS

FRAME MATERIAL	Aluminum
FRONT FRAME GLASS	Physical tempered 7th-grade explosion-proof glass
OVERALL SIZE	1953.2 × 1164.5 × 115 mm
PACKING DIMENSIONS	2150 × 1342 × 260 mm
WEIGHT	75 kg (net), 83 kg (gross)
OVERALL POWER CONSUMPTION	≤430W (excluding OPS; supports OPS power ≤100W)
STANDBY POWER CONSUMPTION	≤0.5W
SOUND SYSTEM	Stereo sound effect, 2 × 20W mid and high-frequency audio
INPUT VOLTAGE	110-240V~ 50/60HZ

CAMERA & MICROPHONE PARAMETERS

CAMERA	Resolution: 48 MP Viewing Angle: 120° Focus Mode: Fixed focus Light Compensation: Supported
MICROPHONE	Built-in 8-microphone array Audio Features: Echo cancellation, Noise suppression, Beamforming and Sound source localization Maximum Pickup Distance: Up to 12 meters

SYSTEM PARAMETERS

Processor (CPU)	V100 – Octa-core Cortex-A55, 1.2GHz
GRAPHICS PROCESSOR (GPU):	ARM Mali-G52 MP2 (4EE)
RAM	8GB
STORAGE	128GB
OPERATING SYSTEM	ANDROID 14.0

COMPUTER PARAMETERS

PROCESSOR	Intel® Core™ i5-8400T
RAM	8GB
STORAGE	256GB SSD
OPERATING SYSTEM	Supports Windows11
FUNCTIONALITY	Embedded computer module with plug-and-play capability, no separate wiring required. Supports one-click system restoration.

INTERFACE OVERVIEW

REAR/BOTTOM PORT	PANEL HEADPHONE OUT X 1 TOUCH OUT X 1 HDMI IN (2.0) X 2 HDMI OUT X 1 TF IN X 1 USB 3.0 X 1 YPBPR IN X 1 RJ45 IN X 1 AV IN X 1 AV OUT X 1 VGA X 1 USB 2.0 X 1 SERIAL RS232 X 1	COMPUTER ANTENNA PORT X 2 AUDIO OUT X 1 MICROPHONE IN X 1 HDMI (4K@60 HZ) X 1 DISPLAY (DP) X 1 RJ45 IN X 1 USB 3.0 X 5 USB 2.0 X 1
FRONT INTERFACE	USB X 3, HDMI X 1, TOUCH X 1, TYPE-C X 1	
FRONT BUTTONS	ONE-CLICK POWER ON/OFF	

DISPLAY PARAMETERS

PANEL SIZE	86 inches
ASPECT RATIO	16:9
BACKLIGHT TYPE	D-LED
DISPLAY AREA	1895.04 (H) × 1065.96 (V) mm
RESOLUTION	3840 (H) × 2160 (V) (UHD)
COLOR DEPTH	8-bit, 1.07 billion colors
BRIGHTNESS	350 cd/m ²
CONTRAST RATIO	5000:1 (typical)
REFRESH RATE	60Hz
VIEWING ANGLE	178° (H) / 178° (V)
BACKLIGHT LIFE	50,000 hours
TOUCH SCREEN INTEGRATION	Built-in, all-in-one design

WRITING STYLE	Supports input from fingers, styluses, or other opaque objects larger than 2.5mm
TOUCH POINTS	40+ simultaneous points
TOUCH RESOLUTION	32767 × 32767
TOUCH ACCURACY	±1mm
RESPONSE	<8ms
MINIMUM RECOGNIZABLE OBJECT	2.5mm (supports 3mm dual-tip stylus for full-screen writing)
TOUCH LIMIT	Virtually unlimited
DRIVERS	System auto-recognition, no driver installation required
OPERATING TEMPERATURE	-10°C to +50°C

INCLUDED ACCESSORIES (STANDARD CONFIGURATION)

POWER CABLE	1 PIECE
USER MANUAL	1 PIECE
REMOTE CONTROL	1 PIECE
WALL-MOUNTED RACK	1 SET
MAGNETIC STYLUS PEN	2 PIECES
TEACHING POINTER	1 PIECE
HDMI CABLE	1 PIECE

DIMENSIONAL DRAWING

