Desktop Digital Podium NDP500

Datasheet

https://alleducare.com

www.qnextech.com

Desktop Digital Podium
NDP500

Wireless Microphone

Features

- **Capacitive Pen&Finger Dual Touch**

  NDP500 supports both finger and pen writing. It allows gesture controls for clicking, zooming, and roaming, while pen for annotations. This desktop writing capability enhances the teacher's experience, fostering eye contact between presenters and audience.

- **Dual Screens with Optical Bonding**

  NDP500 features two screens for annotation and local device control. The screens employ optical bonding technology, providing teachers with a comfortable visual, touch, and writing experience.

- **30˚-60˚ Screen Adjustment**

  NDP500 can be placed on a traditional lectern, offering a screen angle adjustment from 30˚ to 60˚ for convenient switching between sitting and standing positions, enhancing the teaching experience.

Features

- **Unified Device Control from Local and Network**

  NDP500 enables seamless one-click activation of classroom devices (lights, interactive flat panels, projectors, etc.). It offers control over air conditioning temperature and mode adjustments. NDP500 provides unified control through both local and network-based remote access, allowing centralized device management across multiple classrooms.

- **Handy use on the built-in computer**

  Integrated with a high-end computer, the desktop smart podium not only saves teachers the trouble to bring their own laptop to the classroom, but also spare classroom space for installing an extra PC.

- **3x2 AV Matrix Switch**

  The 3x2 matrix switch allows teachers to flexibly switch input and output devices in the classroom, enabling dynamically switch and showcase desired content on screens. Whether presenting identical or different content on multiple screens in a multi-screen classroom, the matrix switch provides a versatile and adaptable display experience.

- **AV Broadcasting and Live Streaming**

  NDP500 facilitates campus-wide audiovisual broadcasting or live streaming over the network. Whether initiating real-time broadcasts or scheduling different audio or video to various classrooms, it offers extensive possibilities.

- **Wireless Microphone & Sound Amplification System**

  Equipped with a wireless microphone system and built-in amplification, NDP500 makes it easy for teachers to amplify their voice locally, ensuring a more effortless teaching experience.

Specifications

Specification		
Display	Panel type	IPS(TFT-LCD)
	Effective screen size	23.8 inch
	Resolution	1920(H) x 1080 (V)
	Colors	16.7M
	Brightness	350 cd/m2
	Contrast ratio	1000:1
	Surface	3mm Hardened Anti-Reflection Safety Glass (MOHS 8) H3(G4+AF) Surface Treatment Optical Bonding technology
	Viewing angles	178° (H), 178° (V)
Control Panel	Panel type	IPS(TFT-LCD)
	Effective screen size	10.1 inch
	Resolution	1200(H) x 1920(V)
	Brightness	250 cd/m2
	Contrast ratio	1000:1
	Surface	3mm Hardened Anti-Reflection Safety Glass (MOHS 8) H3(G4+AF) Surface Treatment Optical Bonding technology
	Viewing angles	178° (H), 178° (V)

Specifications

Specification		
Handwriting Specification	Technology	Capacitive
	Pen	Active pen
	Pen pressure	4096 levels
	Reading accuracy	±0.25 mm (center)
	Identification height	<5mm
	Windows INK	YES
	Compatible operating systems	Windows 7/8/10/11
	Signal interface	USB Port
Touch Specification	Technology	Capacitive
	Touch points	10 points touch
	Compatible operating systems	Windows 7/8/10/11
Built-in PC	CPU	Intel ® Core™ i5
	RAM	8GB
	Storage	512 SSD
	Graphics card	Intel® Iris® Xe Graphics eligible
	Network card	1 × 10/100/1000M self adaptive Ethernet LAN port
	WIFI	Support 802.11ac/a/b/g/n;BT

Specifications

Specification		
I/O	LAN switch	10M / 100M RJ45 *3
	Audio	3.5mm line in *1 3.5mm line mixed out *1
	Mic	6.35mm wired MIC in*1 UHF wireless MIC (Built-in receiver) 3.5mm MIC out *1
	HDMI matrix	HDMI 2.0 in *2 HDMI 2.0 out *2
	USB	USB 2.0 in (device) *2 USB 2.0 out (touch) *1
	Communication interface	RS232 *1 RS485 *1 Phoenix 4 Pin *1 IR-In *1 IR-Out*1
	Speaker power amplifier	(40W+40W)*2
	Antenna ports	Hidden Antenna
	Power control	Power (Standard)*1 External (Standard)*1 Display (Standard)*1 Fuse*1
Feature	Remote control & centralized management	Support
	Push notification	Support
	Wireless module(CBX)	Support
	NFC	Support
	Networked AV decoder-media content	1. Protocols supported: HLS, RTSP, RTMP, RTP etc. 2. AV decoding: Up to 1080P@60 fps AV media content decoding
	Networked AV decoder-live AV streaming	1. Protocols supported: HLS, RTSP, RTMP, RTP etc. 2. AV decoding: Up to 1080P@60 fps AV media content decoding
Stand adjustment		30° to 60°
Power supply		100V~240V AC 50 / 60Hz
Environmental conditions	Temperature	During use: +0 – +40°C; in storage: -15– +60°C
	Humidity	During use: 20-80% (no condensation); in storage: 10-90% (no condensation)

Features

- Support wireless transmission up to 40 meters.
- UHF frequency band, anti-interference.
- LCD screen to check the signal strength, battery power, connected channel and other information.
- Support up to 24 channels connection without interference
- One channel supports simultaneous connection of two wireless microphones-one handheld microphone, one lapel microphone.
- Automatic frequency matching when powers on, simple operation.
- Lapel mic supports point-to-multipoint dynamic access, so that each teacher can own one lapel mic to pair with any NMP in any classroom, convenient for private use and good for personal hygiene.

Specifications

Parameter	Handheld Microphone
Receiving sensitivity	>=85dBm
Receiver working current	5V/180mA
Frequency range	640MHz ~690MHz
Sensitivity	51dB±3dB(0dB=1V/Pa 1 KHz)
Frequency response	50Hz~15KHZ
Microphone type	Dynamic cardioid microphone
SNR	>=65dB
Transmit power	>20dBm
Distortion	<0.5%
Effective distance	<40m
Latency	<5ms
Operating temperature	-25C°-60C°
Power supply	2*AA batteries
Microphone working current	100mA@3V
Battery lifetime	12 Hours

Specifications

Parameter	Lapel microphone
Receiving sensitivity	>=85dBm
Receiver working current	5V/180mA
Frequency range	640MHz ~690MHz
Sensitivity	51dB±3dB(0dB=1V/Pa 1 KHz)
Frequency response	50hz~15KHZ
Microphone type	Condenser microphone
SNR	>=105dB
Transmit power	16~25dBm
Distortion	<0.5%
Effective distance	<40m
Latency	<5ms
Operating temperature	-25C°-60C°
Power supply	2*AA batteries
Microphone working current	200mA@3V
Battery lifetime	5 Hours

04 Control Box (Optional)

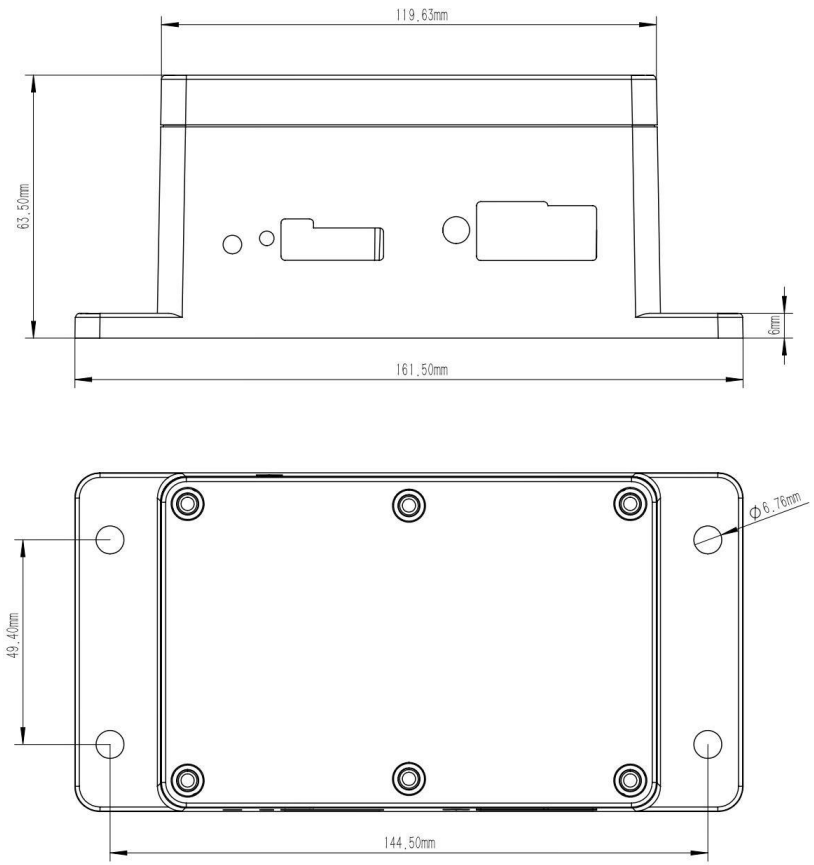
Features (CBX100)

- Wireless Connection
  - Connect to Q-NEX NMP through 2.4GHz wirless transmission.
  - Convenient installation without wiring or change of existing electric wires in the room.
- Unified Control
  - Remote control devices anytime and anywhere on unified Q-NEX Console through Internet.
  - Support device control by Touch Panel (CPL10), mobile APP or Web browser on PC instantly or on shcedule.
- Multiple Control Interface
  - Wireless control of various devices with RS232, IR and Relay interfaces supported.
  - Each CBX can apply one of the controls of RS232, IR and Relay.
- Device Control Extension for Q-NEX NMP
  - Extended control interfaces for NMP, to allow more devices being controlled by NMP.
  - Each NMP can get 4 more CBXs connected.

Specification

Specification	
AC power supply	90-300VAC
Input power consumption	<3W
Working environment	-20℃~85℃
WiFi	IEEE 802.11 b/g/n 1T1T 2.4GHz
Relay interface	SPDT
Maximum load (resistance)	250VAC, 10A
Maximum switching power	2500VA
Communication interface	1*RS232, 1*IR remote control

Dimension



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