



Networked Media Processor(R)

Device Centralized Control
& Push Notifications



NMP221-R-L2U



Q-NEX Networked Media Processor(Reduced) connects independent AV equipment and other devices to build a networked system, empowering campus all-round centralized device control of IoT ecosystem and push notifications for daily announcement and emergency alert.

FEATURES:

- ✔ Integrate multiple devices and functions into one single system.
- ✔ Centralized control of AV and commonly used devices in classrooms/conference rooms.
- ✔ Networked devices deployment that enables remote control and management of all the devices through Internet or Intranet.
- ✔ Scheduled tasks enables device control automatically executed by order. Release school IT admin from repetitive daily work of device management.
- ✔ **PUSH NOTIFICATION** delivers daily messages, important alerts and announcements in text format to displays connected to Q-NEX NMP.



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Q-NEX NMP221

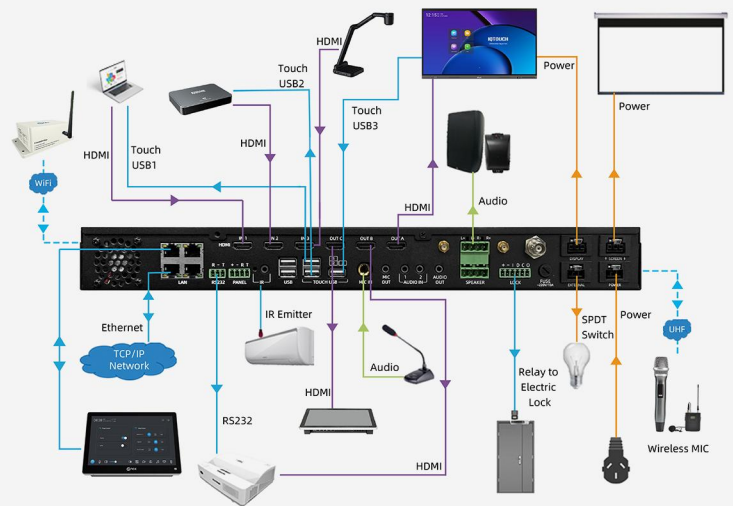
Networked Media Processor



Q-NEX Networked Media Processor is a highly integrated system for the centralized control of classroom devices that converges LAN switch, AV matrix switch, wireless mic system, AV decoder, power relay, digital amplifier, electronic lock module, etc.



Application Diagram



Touch Panel



- Power control of display device and light
- Video matrix switching
- Control the air-con power, temperature, modes, etc.
- Adjust mic & speaker volume
- Multiple audio switch

Wireless MIC



- Wireless transmission up to 40 meters
- UHF frequency band
- Anti-interference
- Up to 24 channels connection
- Automatic frequency matching



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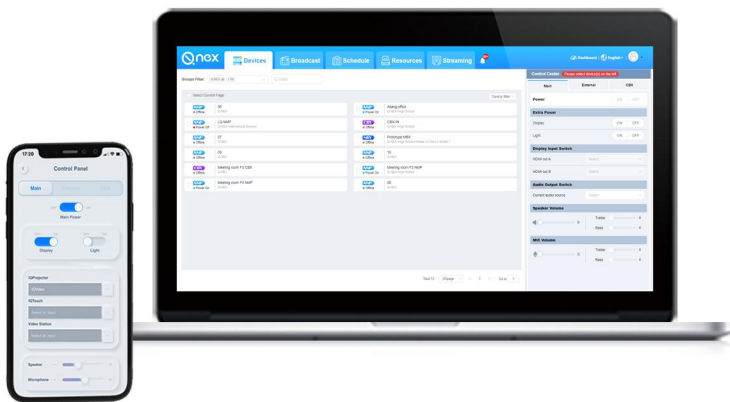
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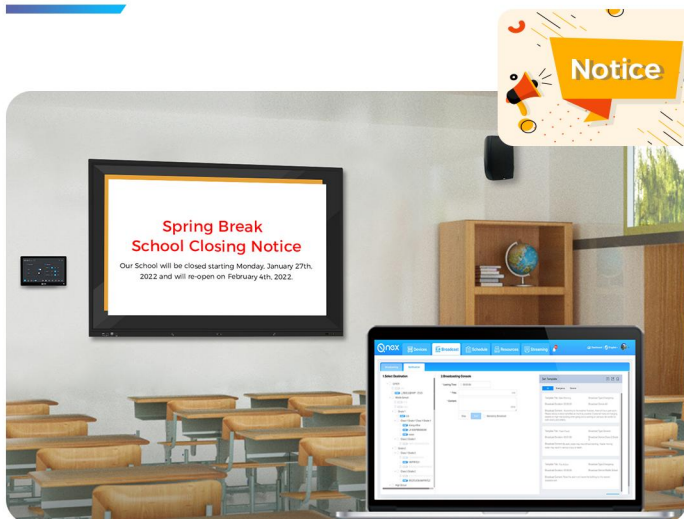
Networked Media Processor(R)

Management System



- Q-NEX Console (web-based platform) for device control.
- Mobile App for device control, compatible with Android & iOS.
- **NEW** Push daily messages, important alerts and announcements anytime and anywhere through Q-NEX Console and mobile App.

Push Notification Scenarios



- Daily Announcement



- Emergency Alert

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Networked Media Processor

Industrial-grade embedded motherboard	High-speed 32-bit CPU;
	Embedded operating system;
LAN switch	4 * 10M / 100M RJ45 network switch ports
Audio switcher	2*3.5mm line in; 1*3.5mm line out
Microphone	1*6.35mm MIC in;
	1*3.5mm MIC out;
	Built-in Dual-Channel UHF wireless mic receiver;
HDMI matrix switcher	3*3 HDMI 2.0 Matrix Module, support 4K@60Hz,
	support HDCP 2.2 and HDCP 1.x
Communication	1*RS232;
	1 * IR out; 1 * IR learner;
	1 * e-Lock (Relay)
	1*Phoenix 4-Pin (for Control Panel connection)
Wireless Module	Built-in 2.4GHz WiFi Module (for CBX100 connection)
USB Ports	1 * USB-HOST, 2 * USB-DEVICE; 2 * USB 2.0;
Power amplifier	2*(40W+40W)

Handheld Microphone

Receiving Sensitivity	>=85dBm
Sensitivity	51dB±3dB(0dB=1V/Pa 1 KHz)
Transmit Power	>20dB
Effective Distance	>40m
Battery Lifetime	12 Hours



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Lapel Microphone

Receiving Sensitivity	$\geq 85\text{dBm}$
Sensitivity	$51\text{dB} \pm 3\text{dB} (0\text{dB}=1\text{V/Pa } 1\text{ KHz})$
Transmit Power	$16\sim 25\text{dBm}$
Effective Distance	$>40\text{m}$
Battery Lifetime	5 Hours

Touch Panel

Panel Control	Swipe IC card to unlock; click to lock panel
Device Control	Power Control; Screen/Curtain Control; Air-Conditioner and other IR Devices Control; Serial devices control
Video Control	3*3 Matrix video switch
Audio Control	Audio switch among HDMI and 2 * Audio inputs; MIC/Speaker volume adjustment
Notification OFF	Exit non-mandatory notice push

