

J I 2 2 0 C - E

DIGITAL NETWORK WIRED CHAIRMAN UNIT

Gooseneck chairman microphone with 2.4-inch TFT display, fully digital audio and CAT6E connectivity.

CHAIRMAN	2.4-IN TFT	CAT6E	5 SPEECH MODES	DC24V
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01 OVERVIEW

The Jistron JI220C-E is a digital network wired chairman unit with a gooseneck microphone and 2.4-inch TFT display for conference systems. It combines fully digital audio processing with a high-performance CPU, a high-sensitivity electret condenser microphone core, CAT6E network connectivity and customizable digital-analog dual backup. The chairman unit provides meeting-priority control, camera tracking support, five speaking modes, voice wake-up, hot-plug operation and automatic unit identification.

02 KEY FEATURES

- **2.4-inch TFT display**
Displays speaker role, microphone ID, screen-saver clock, microphone volume value and speech timer.
- **Fully digital audio**
Built-in high-performance CPU provides fast processing and improved conference audio quality.
- **Chairman priority control**
The chairman unit has priority control of meeting order and its connection position is not restricted.
- **Five speech modes**
Normal, FIFO, Free, Application and Voice Wake-up modes are supported.
- **Ring connection reliability**
Failure or replacement of one microphone does not interrupt other units in the system.
- **Camera tracking support**
Works with a camera tracking host after computer preset configuration.
- **Digital-analog backup**
Customizable dual-backup operation supports stable and uninterrupted meetings.
- **Anti-interference design**
Microphone core is designed for stable operation in the presence of mobile-phone interference.

03 DISPLAY & OPERATIONAL FUNCTIONS

Speaker Role	Microphone ID	Screen Clock	Volume Value	Speech Timer	Hot Plug
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04 CONTROLS & INTEGRATION

1 CHAIRMAN PRIORITY

The chairman unit provides priority control of the meeting order and can be connected at any position.

3 MICROPHONE SWITCHING

Supports trigger switching or press-and-hold to open and release to switch.

5 CABLE ROUTING

The included 1.8 m CAT6E cable can exit through the hidden bottom outlet or from the rear.

7 HOT PLUG

Microphones can be added to the connected system at any time.

2 APPLICATION APPROVAL

In application mode, the chairman can short-press the function button to allow a representative unit to turn on its microphone.

4 CAMERA TRACKING

Supports automatic camera tracking with a camera tracking host and computer presets.

6 VOICE WAKE-UP

Startup sensitivity and automatic shutoff time in silent mode can be configured.

8 AUTOMATIC IDENTIFICATION

Each conference unit has a unique serial number and the system can automatically assign its ID.

05 SYSTEM RELIABILITY & CONNECTIVITY

■ Ring hand-in-hand connection

A failure or replacement of a single microphone does not affect other extensions; a connection failure between microphones does not stop system operation.

■ Digital-analog dual backup

A customizable digital-analog dual backup function is available to support stable and reliable meeting operation.

■ Two-color status indicator

The unit uses a two-color LED indicator; red indicates speaking.

■ Headphone connection

One 3.5 mm stereo headphone jack is provided for connecting headphones.

06 TECHNICAL SPECIFICATIONS

SYSTEM & CONTROL	
System type	Digital network wired chairman unit (gooseneck display)
Display	2.4-inch TFT display
Display information	Speaker role · Microphone ID · Screen saver clock · Microphone volume value · Speech timer
Speech modes	Normal · First-in-first-out (FIFO) · Free · Application · Voice Wake-up
Microphone opening modes	Trigger switch · Long press to open / release to switch
Hot-plug support	Supported; microphones can be added to the system while connected
Connection topology	Ring hand-in-hand connection technology
Backup function	Customizable digital-analog dual backup
Camera tracking	Supported with camera tracking host and computer presets
MICROPHONE & AUDIO	
Microphone core	Special electret condenser microphone core
Directional characteristics	Cardioid
Microphone type	Cardioid condenser
Frequency response	40 Hz - 20 kHz
Sensitivity	-32 dBV
Distortion	< 1%
CONTROL & INDICATION	
Switch mode	Physical switch
Speaking indicator	Two-color LED indicator; red indicates speaking
Unit identification	Unique serial number; conference system can automatically assign an ID

06 TECHNICAL SPECIFICATIONS - CONTINUED

NETWORK & CONNECTIVITY	
Connection method	CAT6E network cable
Included network cable	1.8 m Category 6e network cable
Headphone connection	1 × Ø3.5 mm stereo headphone jack
Cable outlet	Hidden bottom outlet or rear cable exit
POWER & PHYSICAL	
Power supply	DC24V host power supply
Power consumption	2 W
Base dimensions	180 × 142 × 59 mm
Gooseneck length	415 mm
Weight	830 g

07 ORDERING INFORMATION

MODEL	DESCRIPTION	NOTES
J1220C-E	Digital network wired chairman unit - gooseneck with 2.4-inch TFT display, CAT6E	Includes 1.8 m Category 6e network cable

Specifications on this datasheet refer to the J1220C-E chairman unit. System hosts and related conference components are specified separately as required.

08 ABOUT JISTRON

Jistron is a European audio-visual brand headquartered in Tallinn, Estonia. It supplies conference systems, audio processors and installed audio-visual solutions for boardrooms, chambers and command environments; products are manufactured at audited partner facilities.

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