

Panasonic
ideas for life



KX-NT700

IP Conference Phone

Meet-over-IP
Anytime, Anywhere



Busy schedules, deadlines, traffic jams and geographically dispersed offices make meetings challenging. That's where the KX-NT700 IP Conference Phone becomes a great asset. This New IP Conference Phone is designed to save your business valuable time and resources, and makes setting up a conference call simple. The KX-NT700 IP Conference Phone operates with your existing telephone system, or operates natively on your business or broadband data network.

The KX-NT700 is an IP Conference Phone that supports both public switched telephone networks (PSTN) and IP networks. IP support ensures high audio clarity that makes voice calls seem "face-to-face". Moreover, the KX-NT700 features expandability via connections to other IP products and links to web conferencing systems. Users will not have to make tedious IP settings, as DHCP support means IP addresses are automatically acquired, making connection to networks simple and easy.

Panasonic Portable Stations (KX-TD7685 / 7695 / 7696) can easily be conferenced in by connecting the portable stations to the audio in/out of the KX-NT700 enabling users to take part in a conference, even if they are not in the same room. The KX-NT700 features 3-party calling using 1 IP channel and 1 analog line or 2 IP channels, so 3 people in different locations can talk on the same call, giving physically separate offices a quick and easy line of communication.



BACKGROUND NOISE REDUCTION

Owing to the latest echo canceller technology, conversations are clearer than on analog conference calls.



3 PARTY CONFERENCE

Using only an IP connection the KX-NT700 can connect simultaneously 2 channels for a 3-party conference call.



CONFERENCE MANAGER APPLICATION

PC based applications for voice message edition, conference unit control, and 3rd party collaboration applications.

KX-NT700 IP Conference

USB CONNECTION TO PC

Connect to PC for control.

REAL-TIME SLOW-TALK

Press a button to listen to fast talkers in real time, or play back your recorded meeting at a slower speed (for taking notes), and maintaining the full overall conversation content.

BEAM FORMING TECHNOLOGY

Microphones follow the natural speech flow as you move.



PEER TO PEER CONFERENCING

Using a wideband speech codec (G.722 (16KHz sampling)) audio during VoIP is transmitted in high quality, making conferences appear "face-to-face".

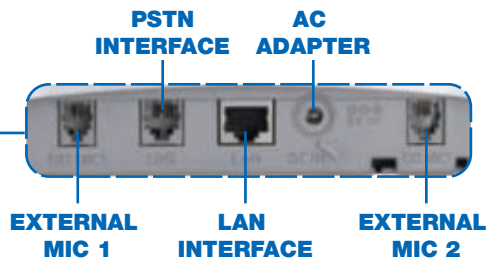


RECORDING ON SD-CARD

Calls and conferences can be recorded in high quality on an SD Card, making playback on your PC simple and easy. Recording time: up to 67 hours with a 2 GB SD Card.



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HIGH DEFINITION VOICE QUALITY

Full Duplex 7KHz Audio.

AUDIO IN/OUT

3.5mm Audio Input/Output jack that can be used to connect to:

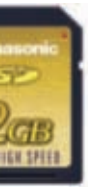
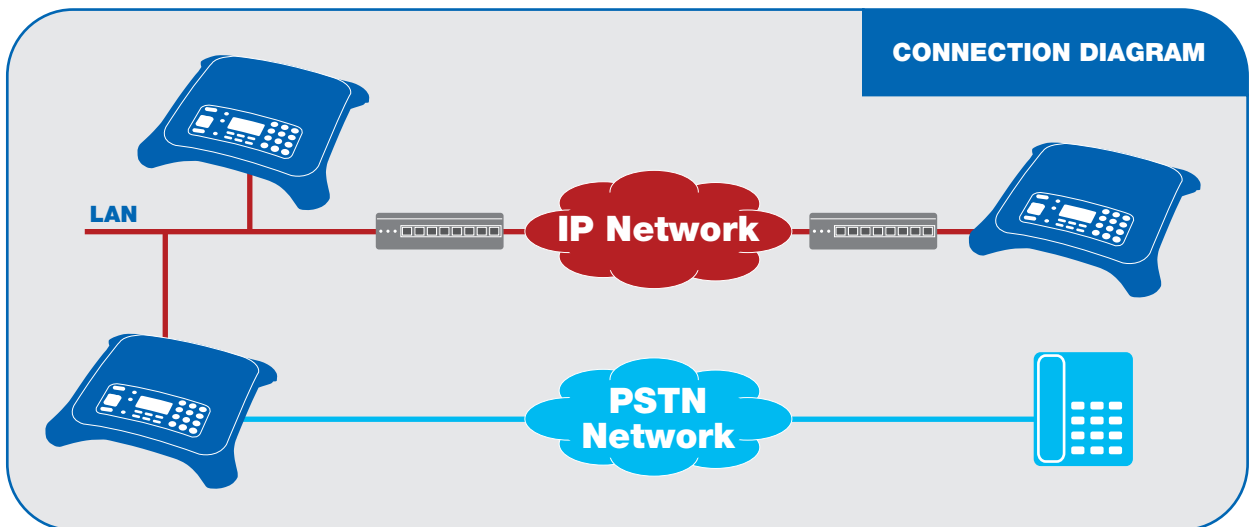
- a. External audio recording devices
- b. Personal Computers
- c. Wireless Handsets

SD CARD SUPPORT

Record your meetings on a SD card.



CONNECTION DIAGRAM



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Conference Phone Manager Application

The Conference Phone Manager is a Windows based application tool providing full access to all conference unit features and functionalities:

- Call Setup
- Volume Control
- Mute
- Dialing Keypad
- Phonebook
- Multi-party Conferencing
- Ability to share applications to conference participants
- Phonebook access and management
- Calendar synchronization and call automation
- Call logs of calls made/received
- Application to record and edit call and memo recording



Accessories - External Microphone

The KX-NT700 supports up to 2 KX-NT701 External Microphones.

Key Benefits:

- Set-up meetings quickly and conveniently without compromise.
- Excellent sound quality ensures participants understand the entire conversation.
- Easy set-up for up to 3 conference phones on a standard office data or broadband IP network.
- Save on hotel and travel costs, by maintaining the feel of a live meeting.
- Connect into Web and Video conference solutions for larger meetings.
- High-Definition (Hi-Def) sound ensures that conversations are natural and seem almost “face-to-face”.

Specifications

KX-NT700 IP Conference Phone		Technical specifications
Analogue Line Interface	I/F connector	RJ11 x 1
	Dialing	Dial Pulse (DP) 10pps, 20pps Tone (DTMF) Dialing
Ethernet Interface	I/F connector	RJ45 x 1
	Transceiver type	10/100Base-T, Auto MDI/MDX
General purpose Interface	USB Interface	USB2.0 (Low/Full speed) Device Function x 1
	Audio Line In/Out	ø3.5mm mini-jack x 1
	I/F connector	RJ9 x 2
Microphone Interface	External	4 Wire (Power, GND, MIC-Mute, MIC-Signal-Input)
	Internal	1
Audio Interface	Loudspeaker	Adjustable to 85dB at 0.5m
	Speaker volume	300Hz - 7000Hz
	Range of frequency	mono
	Stereo/mono	Microphone x 4 corners
	Internal microphone	3m Radius
	Microphone coverage	300Hz - 7000Hz
	Range of frequency	Above 58dB at 1kHz
S/N Ratio		
Display	LCD Resolution	103 x 48 Full dot
	LCD Back light	Yes (white)
	LCD contrast	Yes (6-level)
Status Indicator	LED	4 (dual-colored LED red & blue)
Keypad	Function key	F1, F2, F3
	Volume (scroll) key	UP, DOWN
	Dial key	0-9, *, #
	Other key	SP-Phone, Flash, Redial/Pause, Mic Noise Cut, Clear, Back, Menu, Enter
Chassis	Size (cm)	55H x 275W x 275D
	Weight (kg)	1.3
Power supply	AC Adapter (PQLV206)	Input 85-276V / max 0.3A Output DC9V 750mA
	PoE	IEEE802.3af compliant Max 6.5W
Environment conditions	Operating temperature	0°C-40°C
	Storage temperature	-10°C-50°C
	Relative humidity	Less than 90% (non-condensing)

KX-NT700 IP Conference Phone		Features	
Signalling Protocol	SIP	RFC3261 and companion RFCs	
	CODEC	G.711(A/u), G.729a, G.722(64kbps)	
VoIP	PLC	Yes (G.711 only)	
	Silence suppression	No	
	CNG	No	
	Jitter buffer	Max 500ms (G.729a)	
	Packet Header compression	No	
	QoS	IEEE 802.1 P/Q, Layer 3 TOS, Diffserv	
Network	TCP/IP, UDP, RTP	Yes	
	RTCP	Future support	
	FTP client	Yes	
	DHCP client	Yes	
Telephone	Calendar	Yes	
	Caller ID	No	
	Phonebook	100	
	Dialer Storage Capacity	32	
	Mute	Yes	
	Flash	Yes	
	Pause	Yes	
	Redial	Yes	
	History Redial	10	
	Ringer Patterns	3	
	Ringer Volume	Off, Low, Middle, High	
	SP-Phone Volume	8 steps	
	Programmable Tone/Pulse	Yes	
	Multi point conferencing	3 points	
	All/individual disconnect	Yes	
	Conference Recording	Recording time period	120 Minute (64MB SD Card)
		Number of recorded data	Maximum 100
New message playback		Yes	
FF/REV/STOP		Yes	
Skip/Repeat		Yes	
All/individual erase	Yes		
Time stamp	Yes		