



WLAN RADIO SYSTEM



Real-time Voice Communication Tool that

Tunnel Construction and Mining



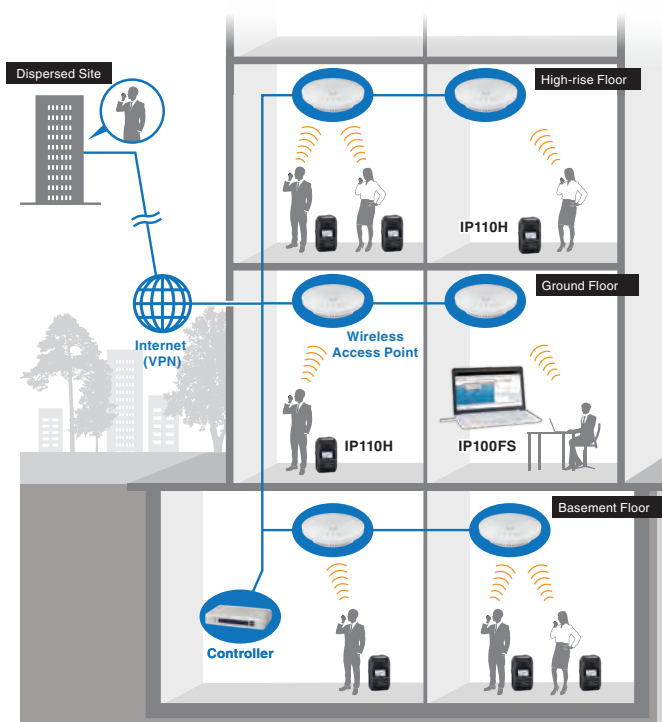
The communication area can be flexibly expanded as the work progresses. In addition, the safety of the user can be confirmed by the Man down and Motion sensor functions.

Factories and Warehouses



The WLAN radio can cover all working sites, offices and remote bases through an IP network (VPN). Wherever you are in the network, you can share the information you need.

WLAN Radio System Features



Scalable System Using Wireless LAN Network

Deploying wireless access points over an IP network, the WLAN radio system can expand the communication range.

License-Free Communication

The WLAN radio uses common wireless LAN network frequencies, which do not need communication fees for running the system.

Communication with Dispersed Sites

When connected over an Internet VPN, the WLAN radios can communicate between dispersed sites.

Simultaneous TalkListen Function

The WLAN radio provides full duplex communication like a telephone conversation and one-to-many communication. TalkListen works with or without external headset.

Talk Listen
Simultaneous

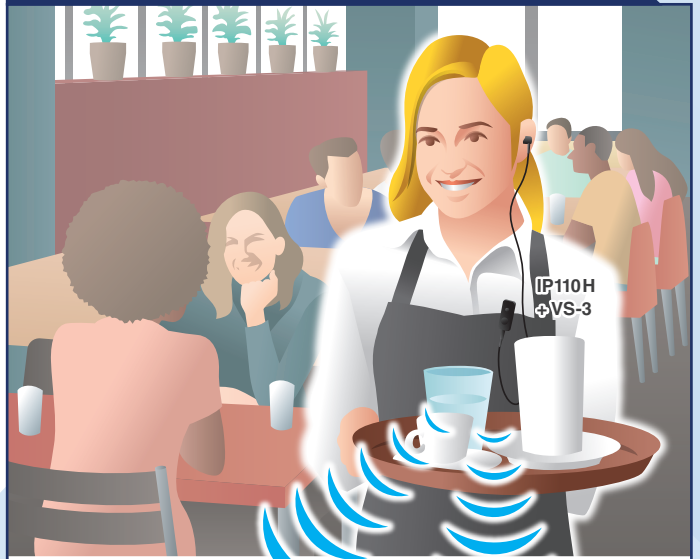
Instantly Connects You with Your Team

Shopping Centers and Malls



By deploying access points along the IP network, the WLAN radio can communicate all the way from the basement to the top floor. Real-time simultaneous Talk and Listen is possible.

Hotel and Restaurant Management



You can use the WLAN radio as a handy communication tool between staff members. With optional Bluetooth® headset, VS-3, the WLAN radio can be used wirelessly and inconspicuously.

Product Lineups

Compact, Lightweight Wireless LAN Radio with Simultaneous TalkListen Function



- All, Group, Talkgroup, Individual and Telephone Calls
- 1000 mW loud audio from internal speaker
- Optional Bluetooth® headset, VS-3
- IP67 / IP54 waterproof and dust-tight
- Battery can be charged through the USB Type-C™ cable
- More than 20 hours of operating time (Tx 1: Rx 1: Stand-by 8 duty ratio)
- WPA2, WPA-Enterprise security

<Other features>

- Audio is recorded for instant review
- Vibration alert function
- Motion/Stationary detection, man down and lone worker functions
- Over-the-Air programming
- Compatible with the IP100H WLAN radio

WLAN Transceiver IP110H



Remote Communicator

IP100FS

(Supplied with a USB flash drive)



- Windows™ PC based communication app
- Obtains location info of each radio based on the access point being used
- Management functions such as remote lock function

WLAN RADIO SYSTEM

IP110H SPECIFICATIONS

Wireless Standards	IEEE802.11 a/b/g/n/ac	Dimensions	57×96.9×25.1 mm, 2.2×3.8×1.0 in (W×H×D; Projections are not included)
Frequency Range *1	2.4–2.4835 GHz, 5.15–5.35, 5.47–5.85 GHz	Weight (approximate)	146 g, 5.2 oz
Security	WEP (64/128-bit), WPA2-Enterprise, WPA-Enterprise, WPA-PSK, WPA2-PSK	Operating Time	More than 20 hours (TX 1 : RX 1 : Stand-by 8 duty ratio)
		Charging Time	4 hours (With BC-257 and BC-228)
AF Output Power	1000 mW typ. (Internal SP) / 300 mW typ. (External SP)	IP Rating	IP67 / IP54
Operating Temperature	–10°C to +60°C, +14°F to +140°F	MIL-STD-810	Passed 12 categories of environmental tests
Charging Temperature	0°C to +60°C, +32°F to +140°F	Supplied Accessories	OPC-2480 USB charger cable, MBB-1 belt clip

*All stated specifications are subject to change without notice or obligation. *1 Authorized frequency range and channels may differ depending on the country.

OPTIONAL ACCESSORIES FOR IP110H

Bluetooth® Headset
VS-3


Speaker-Microphones

HM-186PI


HM-228
 Waterproof


Earphone-Microphone
HM-179PI


Headsets

HS-94
 Earhook type


HS-95
 Neck arm type


HS-97
 Throat type


Plug Adapter Cable
OPC-2133
 2.5 mm stereo jack to 1 pin connector


Earphone
SP-16PIBW
 Earhook type


Charger Accessories

BC-257
 Charger stand
 (Connectable up to 4 units.)


BC-228
 AC adapter for multiple BC-257 connections


Other Accessories

OPC-2132
 Plug adapter cable
 2.5 mm stereo/ 3.5 mm stereo jack to 1 pin connector


MBB-1
 Belt clip. Same as supplied.


IP100FS SYSTEM REQUIREMENTS

Operating System	Windows™ 11, Windows™ 10 (32-bit/64-bit), Windows™ 8.1 (32-bit/64-bit) (Except for Windows™ RT)
CPU	Intel® Core™ 2 Duo Processor E6600/ 2.4 GHz or faster
System Memory	2 GB or more
Hard Disk Space	1 GB of disk space (for saving log files)
Display Resolution	Full HD (1920×1080 pixel) recommended / XGA (1024×768 pixel) at least
LAN	100BASE-TX or faster Ethernet interface
USB	USB1.1 / 2.0
Other	Speaker, microphone or headset

OPTIONAL ACCESSORIES FOR IP100FS

Microphones

SM-26
 Desktop microphone


HM-152
 Hand microphone


PTT Microphone Adapter
CT-23


WLAN RADIO SYSTEM EQUIPMENT

IP1000C
WLAN Radio Controller

- Capable of controlling up to 100 WLAN radios (including IP100FS)



VE-PG4
RoIP Gateway
 (WLAN Radio controller built-in)

- Capable of controlling up to 50 WLAN radios (including IP100FS)
- Interconnects with IP Phone and other digital and/or analog radio systems
- VPN function



AP-95M
Wireless LAN Access Point

- IEEE 802.11 a/b/g/n/ac compliant wireless LAN access point
- PoE (Power over Ethernet) capability



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