



# PRE-RELEASE INFORMATION

## IP ADVANCED RADIO SYSTEM

**IP100H**  
TRANSCIVER



**IP100FS**  
REMOTE COMMUNICATOR



**IP1000C**  
CONTROLLER



# License-Free Transceiver That Works Over Wireless LAN and IP Networks



Super markets/Retail shops



Hospitals



▲ IP100FS



Basement/Tunnel Communication



Building Security



▲ IP1000C



▲ IP100H



Warehouse/Manufacturing



Restaurant/Drive-through



Hotels/Casinos

### License-Free

Licensing and applications are not required for its installation. IEEE 802.11 a/b/g/n standards are used.

### Scalable

Deploying the wireless access point over an IP network, communication range can be expanded. Dispersed sites can also be connected over an IP network (VPN).

### Secure Conversation

The wireless security protocols (WPA-PSK/WPA-PSK2) encrypt your private conversation.

### Simultaneous Use

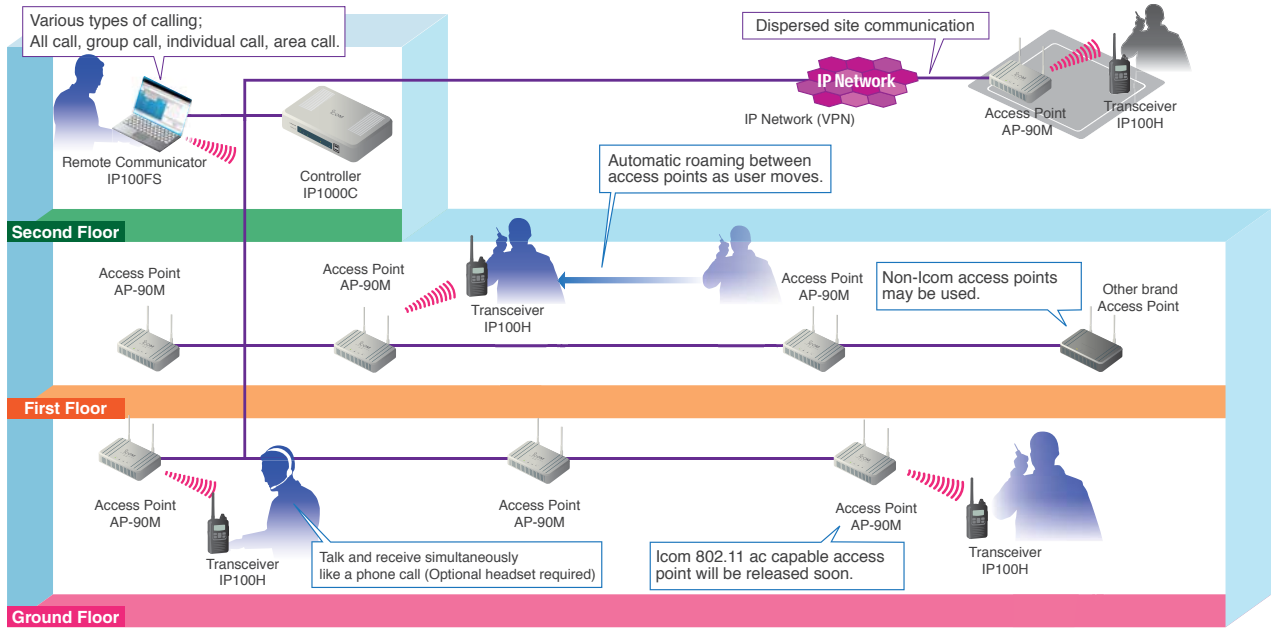
All users in the system can transmit simultaneously. With an optional headset, the IP100H transceiver can talk and receive at the same time like a phone call.

### Location Information

The IP100FS can obtain location information of each transceiver based on using access points and plot on the display.

### Easy Maintenance

The IP1000C programs almost all transceiver configurations over the air. Individual PC programming via cable connection is not required.



The figures leave out some equipment, such as a network switch, to simplify the information.

## Calling Features

The IP100H/IP100FS can make individual call, group conference call, all call and area call. The unique area call function allows you to call any user who is accessing the specified access point.

## Mixing Function

The mixing function receives multiple user's voices at the same time. One-to-many communication is possible and increases efficiency of information sharing.

## Seamless Roaming

If two or more wireless access points are deployed over an IP network, the IP100H can access the nearest access point and can roam between access points.

## Status and Short Data Message

The IP100H/IP100FS can send status and short data messages\* to other users. The IP100H vibrates powerfully when receiving these messages. \* Preprogrammed message only for IP100H.

## Remote Monitor, Kill, Revive and Stun\*

If in an emergency, the IP100FS can enforce individual IP100H to transmit anything the microphone hears to identify the situation. The remote kill command disables individual IP100H, if the IP100H is used by an unauthorized person.

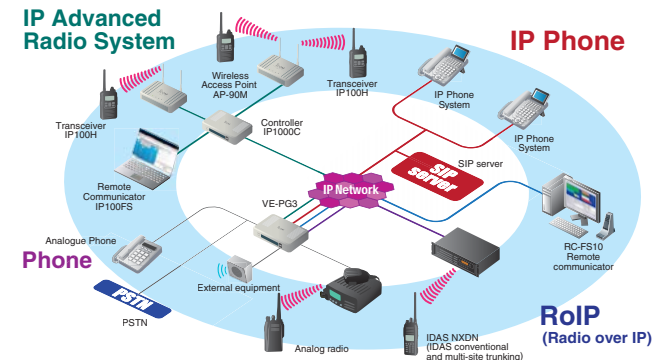
\* These commands can be transmitted from IP100FS.

## IPX7 Waterproof (IP100H only)

The IP100H can withstand 1.0m depth of water for 30 minutes.

## IP Phone and Transceiver Interconnection

With VE-PG3 RoIP gateway, the IP advanced radio system can interconnect with an IP phone, analog transceiver and IDAS™ NXDN™ digital transceiver.



## SPECIFICATIONS

	IP100H
Frequency coverage	2412–2472MHz (13 Ch), 5180–5700MHz (19 Ch)
Wireless standards	IEEE 802.11 a/b/g/n
Dimensions (WxHxD)**	58x95x26.4mm (with BP-271)
Weight (approx.)	205g (with BP-271 and antenna)
Operating temperature	-10°C to +60°C
RF output power	Less than 10mW/MHz
Voice Codec	G.711 μ-law (64kbps)
AF output power (10% distortion)	Internal SP 400mW (typ., 16Ω), External SP 200mW (typ., 8Ω)
Security	WEP(64/128-bit), WPA-PSK(TKIP/AES), WPA2-PSK(TKIP/AES)
Operating time**	More than 20 hours (with BP-271)

\*\*1 Projections are not included. \*\*2 Tx: Rx: Stand-by=1:1:8 duty cycle

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