

Wireless LAN Module

QI-710P

General

The QI-710P wireless LAN module is for the SVM-7100 series vital signs monitor.

The wireless LAN module can communicate with a specified wireless LAN access point. With the wireless LAN module, the vital signs monitor can communicate with a Shanghai Kohden central monitor network and/or EMR in your facility by wireless communication.

You can change the wireless LAN module network settings from a web browser of a PC connected to the central monitor network.

Safety Information

- ⚠ DANGER:** A danger alerts the user to a hazardous situation which causes death or serious injury.
- ⚠ WARNING:** A warning alerts the user to possible injury or death associated with the use or misuse of the instrument.
- ⚠ CAUTION:** A caution alerts the user to possible injury or problems with the instrument associated with its use or misuse such as instrument malfunction, instrument failure, damage to the instrument, or damage to other property.

Pay attention to all safety information in the Operator's Manual or Installation Guide.

⚠ WARNING

Never use the wireless LAN module in the presence of any flammable anesthetic gas or high concentration oxygen atmosphere. Failure to follow this warning may cause explosion or fire.

⚠ WARNING

Never use the wireless LAN module in a hyperbaric oxygen chamber. Failure to follow this warning may cause explosion or fire.

⚠ WARNING

Do not take the wireless LAN module into an MRI test room. The wireless LAN module is not designed to be used during MRI tests.

⚠ WARNING

Use the wireless LAN module hospital indoors. If the wireless LAN module is used out of the hospital or outdoors, it may malfunction and be damaged the wireless LAN module.

⚠ WARNING

When monitoring a pacemaker patient, maintain an appropriate distance between the patient and the wireless LAN module. Otherwise noise from the wireless LAN module may interfere with the pacemaker.

⚠ WARNING

Check the software version number of the monitor before connecting it to the network. Different software versions have different communication methods. More than one communication method in a network may cause communication failure. For details, refer to the Network and System Installation Guide.

⚠ WARNING

When uninterrupted monitoring of a patient at the central monitor is required, use a wired LAN instrument to monitor the patient. Wireless LAN can be interrupted by various causes and is less reliable than wired LAN.

⚠ WARNING

When the signal is unstable, keep the patient under close observation. When the signal is unstable, the monitoring and alarm are not reliable and the telemetry system cannot detect a sudden change of the patient's condition. This may cause critical changes in the patient condition to be overlooked. Install an appropriate wireless LAN network system to ensure a stable signal.

⚠ WARNING

Do not install the wireless LAN module near RF devices such as a microwave oven, bluetooth device, cordless phone, RF-ID tag, high frequency heating machine, or hyperthermia and microwave surgical equipment. Electromagnetic radiation from those devices may interfere with the radio communication of the wireless LAN module.

⚠ CAUTION

When using the wireless LAN module, the measurement values and displayed waveform on the vital signs monitor and receiving monitor may differ due to timing delay of the display and other factors. Be careful when reading the value and waveform.

⚠ CAUTION

Turn off the power of mobile phones, small wireless devices and other devices which produce strong electromagnetic interference around a patient (except for devices allowed by the hospital administrator). Radio waves from devices such as mobile phones or small wireless devices may be mistaken as pulse waves and the displayed data may be incorrect.

⚠ CAUTION

To prevent unauthorized access, change the password periodically. Otherwise, it may result in leaking of patient information, data modification or wrong diagnosis or treatment.

⚠ CAUTION

Never disassemble or repair the wireless LAN module. If there is any problem with the wireless LAN module, contact your Nihon Kohden representative.

⚠ CAUTION

Before maintenance, cleaning or disinfection, turn the wireless LAN module and vital signs monitor power off and disconnect the power cord from the AC socket. Failure to follow this instruction may result in electrical shock and wireless LAN module and vital signs monitor malfunction.

⚠ CAUTION

If fluids are accidentally spilled into the wireless LAN module, take the wireless LAN module out of service and contact your Nihon Kohden representative. The wireless LAN module must be disassembled, cleaned, dried and tested for safety and function.

⚠ CAUTION

The network must be managed by the network administrator. Make sure that each monitor and wireless LAN module in the network has a different IP address. Otherwise, monitoring of an already operating monitor cannot be performed properly.

⚠ CAUTION

The network must be managed by the network administrator. Only the network administrator can change the network settings on the wireless LAN module and connect the wireless LAN module to the network. Incorrect settings or connection may cause failure of the network system and instrument.

⚠ CAUTION

To operate the wireless LAN system, assign a system administrator. The system must be used under the supervision of the system administrator according to the hospital protocol.

⚠ CAUTION

When using a wireless LAN system, be aware that signal loss and artifact may occur because of multipath cancellation or frequency interference caused by the same frequency signals of other wireless LAN devices.

⚠ CAUTION

When using a DFS supported channel, fully understand the access point operation when the access point detects radar waves and construct the wireless LAN system accordingly. Otherwise, the wireless communication may be interrupted by radar waves.

This Safety and Performance Information is an extract from the general and safety information sections of the most recent edition of Operator's Manual or Installation Guide. Therefore, the contents of your Operator's Manual or Installation Guide may differ from those of this Safety and Performance Information. For detailed operating procedures, follow the instructions of your Operator's Manual or Installation Guide.



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