TECHNICAL BULLETIN

FA-A-0240-B

Production discontinuation of wireless LAN adapter (for Europe), NZ2WL-EU

■Date of Issue
June 2017 (Ver. B: February 2019)
■Relevant Models
NZ2WL-EU

Thank you for your continued support of Mitsubishi Electric programmable controllers.
Production of the wireless LAN adapter, NZ2WL-EU, will be discontinued.

1　Model to be discontinued

Product	Model
Wireless LAN adapter (for Europe)	NZ2WL-EU

2　Schedule

Production discontinuation: June 30, 2017

3　Reason for discontinuation

In January 2015, wireless standards were revised in Europe, and accordingly the NZ2WL-EU cannot be exported to European countries after that.

4　Repair support

Repair support period: Until June 30, 2023 (for six years after the discontinuation of production)
Repair support period is for six years after the discontinuation of the NZ2WL-EU because this product was jointly developed and manufactured by Mitsubishi and CONTEC.

5　Alternative model

There is no alternative model available. When replacing the NZ2WL-EU with a new product, please consider purchasing an industrial wireless LAN adapter on the market. For that wireless LAN adapter applicable for Mitsubishi Electric programmable controllers or HMI (Human Machine Interface), refer to "7 Industrial wireless LAN adapter available on the market (applicable product)".
For specifications of the NZ2WL-EU, refer to "6 Specifications of the NZ2WL-EU".
For the NZ2WL-EU currently in use, there is no problem on continuing to use it.

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6   Specifications of the NZ2WL-EU

Item			Specifications
Wired LAN	Ethernet standard		IEEE802.3 (10BASE-T) IEEE802.3u (100BASE-TX)
	Data transfer speed		10/100Mbps
	Access method		CSMA/CD
	Communication type		Half Duplex, Full Duplex
	Number of ports		1 (10BASE-T/100BASE-TX)
Wireless LAN	Wireless standard (in Europe)		ETSI R&TTE EN 300 328 V1.7.1 (2.4GHz band) ETSI R&TTE EN 301 893 V1.6.1 (5GHz band)
	IEEE802.11a	Transmission format	IEEE802.11a-compliant OFDM (Orthogonal Frequency Division Multiplexing)
		Channel	36, 40, 44, 48ch
		Data transfer speed[*1]	54, 48, 36, 24, 18, 12, 9, 6Mbps (Fixed/Auto)
		Access method	CSMA/CA + ACK (RTS/CTS)
		Aerial power	10mW/MHz or less
		Security	WEP, WPA-PSK (AES, TKIP), WPA2-PSK (AES, TKIP), AES-OCB, WSL (Proprietary encryption)
		Security (AP only)	WPA (AES, TKIP), WPA2 (AES, TKIP), MAC address filtering, IEEE802.1X (EAP-TLS, PEAP)
	IEEE802.11b	Transmission format	IEEE 802.11b-compliant DSSS
		Channel	13ch (1 to 13ch)
		Data transfer speed[*1]	11, 5.5, 2, 1Mbps (Fixed/Auto)
		Access method	CSMA/CA + ACK (RTS/CTS)
		Aerial power	10mW/MHz or less
		Security	WEP, WPA-PSK (AES, TKIP), WPA2-PSK (AES, TKIP), AES-OCB, WSL (Proprietary encryption)
		Security (AP only)	WPA (AES, TKIP), WPA2 (AES, TKIP), MAC address filtering, IEEE802.1X (EAP-TLS, PEAP)
	IEEE802.11g	Transmission format	IEEE802.11g-compliant OFDM (Orthogonal Frequency Division Multiplexing)
		Channel	13ch (1 to 13ch)
		Data transfer speed[*1]	54, 48, 36, 24, 18, 12, 9, 6Mbps (Fixed/Auto)
		Access method	CSMA/CA + ACK (RTS/CTS)
		Aerial power	10mW/MHz or less
		Security	WEP, WPA-PSK (AES, TKIP), WPA2-PSK (AES, TKIP), AES-OCB, WSL (Proprietary encryption)
		Security (AP only)	WPA (AES, TKIP), WPA2 (AES, TKIP), MAC address filtering, IEEE802.1X (EAP-TLS, PEAP)
Antenna			Diversity dipole antenna
External dimensions (mm)			25(W) × 68(D) × 97(H) (Not including antenna and other projecting parts)
Weight (g)			250g
Installation environment	Input voltage range		12 - 24VDC±5%
	Rating input current		0.4A (at 12VDC input), 0.2A (at 24VDC input) (Max.) Fuse/2.0A non-user serviceable (Rated interrupting current: 50A)
	Operating ambient temperature		0 - 50℃
	Operating ambient humidity		10 - 90%RH (No condensation)
	Floating dust particles		Tolerant of small amounts (non excessive)
	Corrosive gases		None

*1   These are theoretical values based on their respective wireless LAN standards. They do not indicate actual data transfer speed.

7   Industrial wireless LAN adapter available on the market (applicable product)

An industrial wireless LAN adapter that is available on the market and can be connected to a programmable controller or HMI is listed in 7.1. For the production state of the adapter, contact its manufacturer.

Applicable product: A product that satisfies the interface specifications of the modules manufactured by Mitsubishi Electric Corporation. Note that we do not conduct a verification of the applicable product. Before using this product, examine the applicability and confirm that it will not cause system operation problems. In addition, follow the specifications of the applicable product when using it.

7.1   Industrial wireless LAN adapter

Classification	Manufacturer	Model
Applicable product	Moxa Inc.	AWK-3131A-EU

REVISIONS

Version	Date of Issue	Revision
-	June 2017	First edition
A	July 2017	Addition of "7 Industrial wireless LAN adapter available on the market (applicable product)"
B	February 2019	Available for e-Manual Viewer

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