

## FX3U-485ADP-MBH

FX3U-485ADP-MBH communication special adapter only differs from the FX3U-485ADP-MB with respect to the following specification.

For details on installation, wiring and other specifications, refer to the following manuals.

→ **FX3U-485ADP-MB INSTALLATION MANUAL**  
 → **FX3U SERIES USER'S MANUAL - MODBUS Serial Communication Edition**  
 → **FX SERIES USER'S MANUAL - Data Communication Edition**

### 1. Differences between the MODBUS serial communication specifications of the FX3U-485ADP-MBH and FX3U-485ADP-MB

Item		FX3U-485ADP-MBH	FX3U-485ADP-MB
Transmission Specifications	Transmission Speed (Baud rate)	300/600/1200/2400/4800/9600/ 19200/38400/57600/115200 bps	300/600/1200/2400/ 4800/9600/19200 bps
Master Specifications	Number of Slaves	64 slaves	16 slaves

### 2. Transmission speed (baud rate) settings for MODBUS serial communication

The communication speed (baud rate) is set in the communication format (Ch1: D8400 bit 4 to 7, Ch2: D8420 bit 4 to bit 7). Allocation of bit 4 to bit 7 in D8400 (Ch1) and D8420 (Ch2) is as follows on the next page.

→ **For details on the other bits, refer to the FX3U SERIES USER'S MANUAL - MODBUS Serial Communication Edition**

#### Caution

When you set the baud rate to 38400 bps or more in a FX3G Series PLC, please set D8411 (D8431) to be 3ms or more. When D8411 (D8431) is set at less than 3ms, it may not be able to communicate normally.

Bit No.	Name	Contents	
		0 (bit = OFF)	1 (bit = ON)
b0	Data length	7-bit	8-bit
b1 b2	Parity	b2, b1 (0, 0): Not provided (0, 1): Odd (1, 1): Even	
b3	Stop bit	1-bit	2-bit

Bit No.	Name	Contents	
		0 (bit = OFF)	1 (bit = ON)
b4 b5 b6 b7	Baud rate (bps)	b7, b6, b5, b4 (0, 0, 1, 1): 300 (0, 1, 0, 0): 600 (0, 1, 0, 1): 1200 (0, 1, 1, 0): 2400 (0, 1, 1, 1): 4800 (1, 0, 0, 0): 9600	b7, b6, b5, b4 (1, 0, 0, 1): 19200 (1, 0, 1, 0): 38400 (1, 0, 1, 1): 57600 (1, 1, 0, 0): Reserved (1, 1, 0, 1): 115200
b8 -11	Not available	-	
b12	H/W type	RS-232C	RS-485
b13-15	Not available	-	

### 3. Slave Node Address setting range of the ADPRW instruction (FNC 276)

The Slave Node Address setting range of the ADPRW instruction (FNC 276) is changed as follows.

→ For detail on the ADPRW instruction (FNC 276), refer to the **FX3u SERIES USER'S MANUAL - MODBUS Serial Communication Edition**

Instruction Name	Operand type	Description	Setting range	
			FX3u-485ADP-MBH	FX3u-485ADP-MB
ADPRW	S	Slave Node Address	H00 to H40 (K0 to K64)	H00 to H10 (K0 to K16)

#### Attention

- This product is designed for use in industrial applications.

#### Note

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