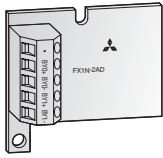
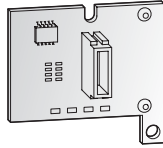


Analog Adapter Boards

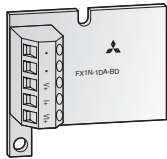
☑ FX1S ☑ FX1N ☑ FX3G ☐ FX3U ☐ FX3UC



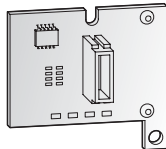
FX1N-2AD-BD



Connector side



FX1N-1DA-BD



Connector side

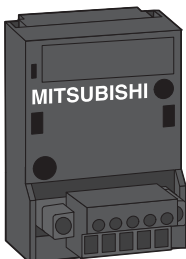
Analog Adapter Boards FX1N-2AD-BD, FX1N-1DA-BD, FX3G-1DA-BD and FX3G-2AD-BD

The analog input adapter boards FX1N-2AD-BD and FX3G-2AD-BD provide the user with 2 analog inputs.

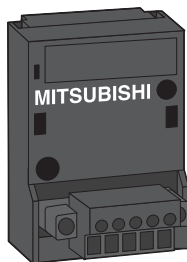
The boards convert analog process signals into digital values which are further processed by the MELSEC controller.

The analog adapters FX1N-1DA-BD and FX3G-1DA-BD provide the user with 1 analog output. The modules convert digital values from the FX1S/FX1N/FX3G controller to the analog signals required by the process.

| Specifications | FX1N-2AD-BD | FX1N-1DA-BD |
|--------------------------|--|---------------------------------|
| Applicable for | Base units FX1S/FX1N | Base units FX1S/FX1N |
| Power supply | From base unit | From base unit |
| Analog channels | inputs: 2 outputs: — | — 1 |
| Analog input range | 0 – +10 V DC/4 – +20 mA | 0 – +10 V DC/4 – +20 mA |
| Input resistance | voltage input: 300 kΩ current input: 250 Ω | — — |
| External load | voltage output: — current output: — | 2 – 1,000 < 500 |
| Resolution | 2.5 mV (12 bits)/8 μA (11 bits) | 2.5 mV (12 bits)/8 μA (11 bits) |
| Overall accuracy | ±1 % | ±1 % |
| Conversion speed | analog → digital: 1 program cycle digital → analog: — | — 1 program cycle |
| Related I/O points | 0 | 0 |
| Weight | kg 0.02 | 0.02 |
| Dimensions (WxHxD) | mm 43x38.5x22 | 43x38.5x22 |
| Order information | Art. no. 139421 | 139422 |



FX3G-2AD-BD



FX3G-1DA-BD

| Specifications | FX3G-2AD-BD | FX3G-1DA-BD |
|--------------------------|---|---------------------------------|
| Applicable for | Base units FX3G | Base units FX3G |
| Power supply | From base unit | From base unit |
| Analog channels | inputs: 2 outputs: — | — 1 |
| Analog input range | 0 – +10 V DC/4 – +20 mA | 0 – +10 V DC/4 – +20 mA |
| Input resistance | voltage input: 198.7 kΩ current input: 250 Ω | — — |
| External load | voltage output: — current output: — | 2 – 1,000 < 500 |
| Resolution | 2.5 mV (12 bits)/8 μA (11 bits) | 2.5 mV (12 bits)/8 μA (11 bits) |
| Overall accuracy | ±1 % | ±1 % |
| Conversion speed | analog → digital: 180 μs (1 program cycle) digital → analog: — | — 60 μs (1 program cycle) |
| Related I/O points | 0 | 0 |
| Weight | kg 0.02 | 0.02 |
| Dimensions (WxHxD) | mm 35x51.2x29.2 | 35x51.2x29.2 |
| Order information | Art. no. 221265 | 221266 |