

# AX-12/ AX-12+/ AX-12A

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## Part Photo

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[AX-12/12+]

[AX-12A]

- ※ AX-12+ is the improved version of existing AX-12: the design of circuit, material, and wheel gear are specially improved.
- ※ AX-12A is a new version of the AX-12+ with the same performance but more advanced external design. Only the AX-12A is now being sold.

## H/W Specification

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- Weight : 53.5g (AX-12/AX-12+), 54.6g (AX-12A)
- Dimension : 32mm \* 50mm \* 40mm
- Resolution : 0.29°
- Gear Reduction Ratio : 254 : 1
- Stall Torque : 1.5N.m (at 12.0V, 1.5A)
- No load speed : 59rpm (at 12V)
- Running Degree
  - 0° ~ 300°
  - Endless Turn
- Running Temperature : -5°C ~ +70°C
- Voltage : 9 ~ 12V (Recommended Voltage 11.1V)
- Command Signal : Digital Packet
- Protocol Type : Half duplex Asynchronous Serial Communication (8bit,1stop,No Parity)
- Link (Physical) : TTL Level Multi Drop (daisy chain type Connector)
- ID : 254 ID (0~253)
- Communication Speed : 7343bps ~ 1 Mbps
- Feedback : Position, Temperature, Load, Input Voltage, etc.

- Material : Engineering Plastic

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