

TF60 Series Integrated Actuator

Precision Actuator for Humanoid and Manipulator Systems

Product Overview

TF60 Series Integrated Actuator is a production-ready, high-performance integrated actuator developed by TorqueFusion Robotics for advanced robotic systems. It is engineered for reliability, precision, and long-term deployment.

Technical Specifications

Parameter	Value
Rated Torque	45 – 60 Nm
Peak Torque	80+ Nm
Speed	Up to 450 RPM
Voltage	24V – 48V
Gear Ratio	40:1
Control Modes	Torque / Position / Velocity
Communication	CAN / RS485
Weight	1.5 – 2.0 kg
Cooling	Passive / Active (Optional)
Operating Temp	-10°C to 60°C

Applications

- Humanoid Robots
- Robotic Arms
- Exoskeletons
- Service Robots
- Industrial Manipulators

Product Status

Production-ready actuator validated for continuous operation and commercial deployment.

Contact Information

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