GATEIN TECHNOLOGY
جيت ان تكنولوجي

PRODUCT PRESENTATION · LIGHTWEIGHT ROBOTIC ARM

PiPER

6-DOF Lightweight Robotic Arm

A 4.2 kg, 6-DOF arm with 1.5 kg payload, 626 mm reach and ±0.1 mm repeatability, compatible with all AgileX mobile robots and ROS/ROS2.

Presented by GateIn Technology · Exclusive AgileX partner in Egypt



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PiPER at a glance

6 DEGREES OF FREEDOM	**1.5 kg** PAYLOAD
626 mm REACH	**±0.1 mm** REPEATABILITY

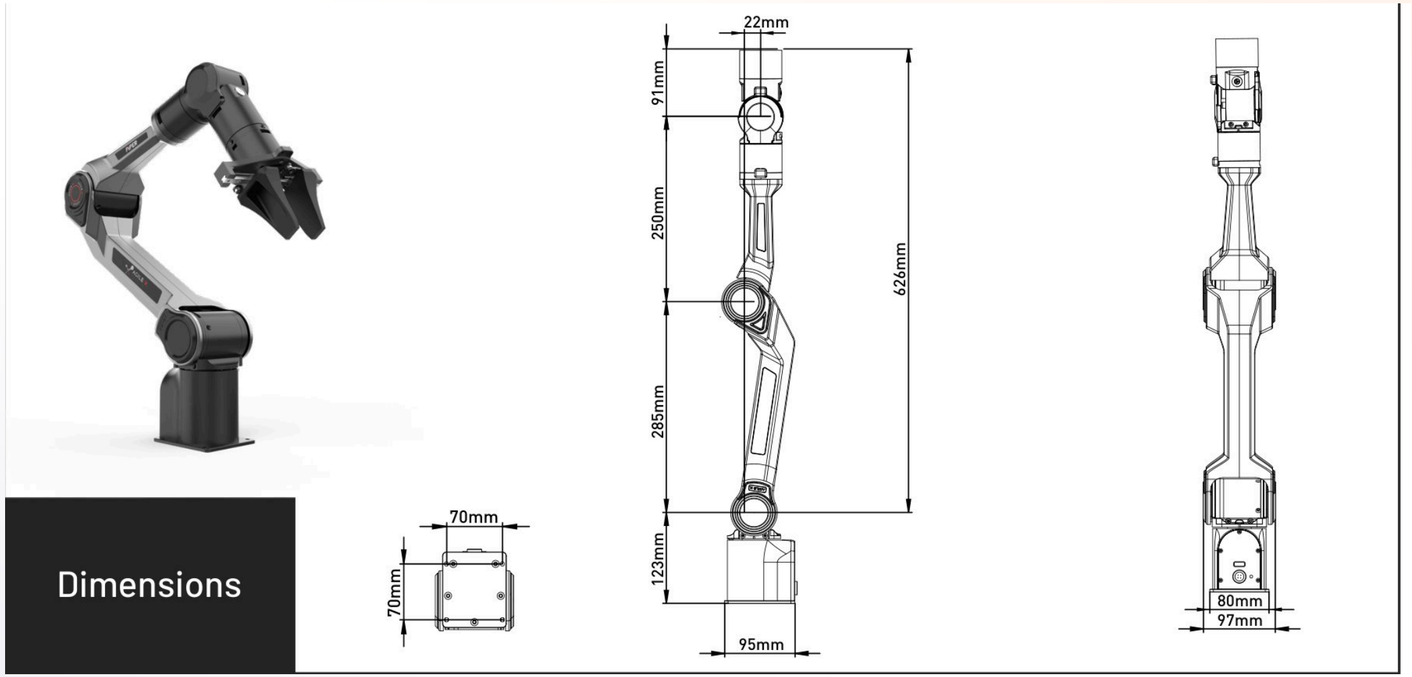
4.2 kg WEIGHT	**≤40 W** COMPREHENSIVE POWER Max ≤120 W

Aluminium alloy body with polymer shell; integrated controller; drag teaching, offline trajectory, API and PC programming; Python, ROS and ROS2 support.

PiPER Specifications

Parameter	PiPER
DOF · payload · weight	6 · 1.5 kg · 4.2 kg
Reach · repeatability	626 mm · ±0.1 mm
Input voltage · communication	DC 24 V · CAN
Material · controller	Aluminium alloy body, polymer shell · integrated
Programming	Drag teaching / offline trajectory / API / PC
External interface · base	Power × 1, CAN × 1 · 70 × 70 mm, M5 × 4
Environment · noise	-20 to 50 °C, 25–85% RH non-condensing · <60 dB
Joint range	J1 ±154°, J2 0–195°, J3 -175–0°, J4 -100–112°, J5 -75–75°, J6 ±100°
Max speed	J1 180°/s, J2 195°/s, J3 180°/s, J4–J6 225°/s
Installation	Compatible with all AgileX mobile robots

PiPER dimensions



Arm lengths

123 mm base, 285 mm and 250 mm links, 91 mm wrist; 626 mm total reach.

Base

70 × 70 mm mounting; 95 × 97 mm footprint.

GateIn One accountable partner

We don’t just ship the PiPER. GateIn designs, supplies, installs, integrates and supports AgileX solutions for universities, schools, government and industry, from the first plan to long-term support.

+120
ROBOTS SUPPLIED IN EGYPT
Industrial, service and educational

91
LABORATORIES
Across 45 institutions

+30
STRATEGIC & GLOBAL PARTNERS

5
YEARS OF DELIVERY
Since 2021

Design | Sourcing | Installation | Integration | Training | Long-term Support

An integrator, not a vendor.

Exclusive AgileX partner for Egypt

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Let’s plan your PiPER deployment

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