

# Alpha B2

All-Terrain Autonomous Robot Dog

[www.nantatech.com](http://www.nantatech.com)



- ▶ Founded in **2018** as **MNT Technologies** and later in **2023** taken over by **Nanta Tech Private Limited**, the company focuses on **Turnkey ELV projects** delivering **AV, IT, CCTV, Fire Alarm, Robotics, and AI solutions** across multiple industries.
- ▶ Demonstrated innovation at major expo like **INFOCOM, FITAG, AVICN, and Palm 2024**.
- ▶ Achieved public listing on **Bombay Stock Exchange** in 2025, marking our growth from startup to global leader in equitable technology. Today Nanta Tech Limited become a public Limited company.
- ▶ **Mission**  
To put the power of intelligent machines in service of people — building robotics, autonomous vehicle-grade AI, and AV solutions that make industries safer, operations smarter, and human potential limitless.
- ▶ **Vision**  
A world where intelligent machines work alongside humanity as trusted partners — eliminating preventable harm, unlocking human creativity, and making India a global force in robotics and AI.

# JOURNEY SO FAR

Exclusive partner for brands like BOSE, KRAMER, COMMSCOPE, LIBERTY AV, SAMSUNG IFP, MAXHUB, RUIGGE, NEARITY

Acquired MNT, established Nanta Tech Pvt Ltd, and launched Allbotix & OEM manufacturing.

Listed on BSE – SME Platform



SME AWARDS



BUSINESS EXCELLENCE FROM MAXHUB



AV- ICN AWARDS



BSE -SME AWARD 2025

2019

2023

2025

2018

2020

2024

2026

Founded as MNT Technologies

Started working on Service Robots

Transitioned to a Public Limited Company

- RSVP Takeover
- AI Platform: Ntalk & Ntra
- U.A.E Regional Office in DUBAI



Path Breakers 2.0 by YOUNG Indians



AHMEDABAD BUSINESS EXCELLENCE AWARDS IN IT INDUSTRY



- **Robotics Solutions:**

A core market strength, our robotics division provides specialized automation for the Hospitality, Healthcare, Education (Smart Schools), Manufacturing, and Logistics sectors. We deliver comprehensive hardware and software integration tailored to meet specific industrial demands and client-specific workflows.



- **Nanta Tech AI and Software Development:**

We provide industry-native artificial intelligence and end-to-end technical solutions designed to bridge the gap between complex data and real-world execution. By integrating computer vision, natural language processing, and edge-computing navigation directly with hardware, we empower autonomous systems to eliminate operational bottlenecks in real-time. Beyond deploying specialized machine learning models, we offer a comprehensive digital ecosystem that includes professional training, high-performance web and mobile development, and bespoke software engineering to ensure your workflows are as intelligent as they are efficient.



- **AV Solutions:**

Nanta Tech delivers comprehensive end-to-end audio-visual solutions, seamlessly integrating AI-driven technology into corporate and commercial environments—from boardrooms and conference spaces to large auditoriums, immersive LED video walls, and advanced video conferencing ecosystems. Supported by a robust distribution network, we provide a premium range of high-performance AV hardware, including interactive flat panels, professional conferencing systems, high-speed connectivity infrastructure, and next-generation LED video walls—ensuring seamless communication, collaboration, and impactful visual experiences at every scale.

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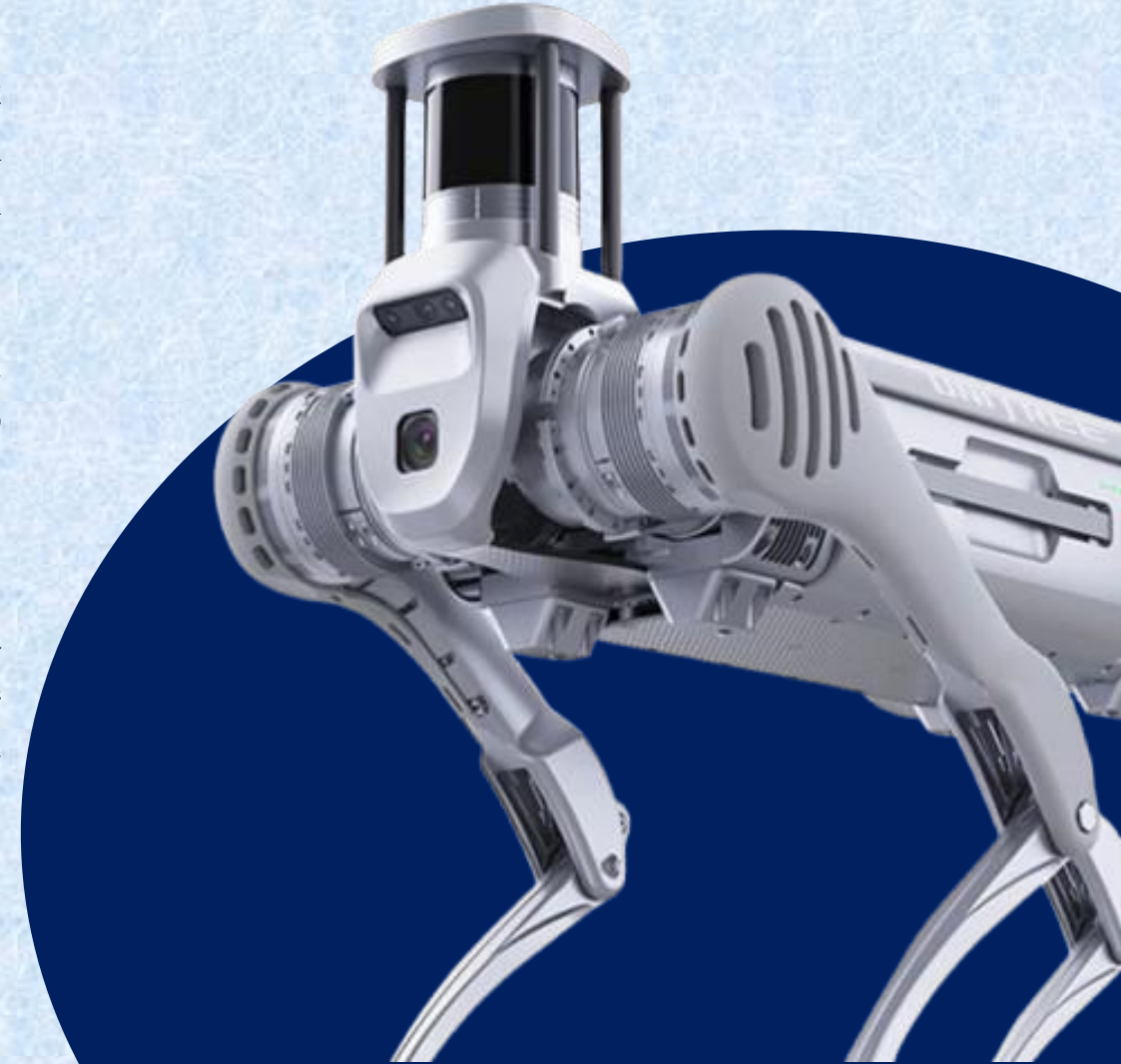
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Company  
Overview

# Allbotix Alpha B2

The Allbotix Alpha B2 is a next-generation industrial quadruped robot engineered for extreme performance, versatility, and intelligence. With industry-leading speed, payload capacity, endurance, and terrain adaptability, the Alpha B2 sets a new standard for all-terrain robotic mobility. Whether navigating complex environments, carrying heavy loads, or supporting autonomous inspection tasks, the Alpha B2 is built to lead across industries—from power infrastructure and emergency rescue to advanced research and exploration.

Equipped with advanced perception systems, AI-ready compute platforms, and optional wheeled-leg hybrid mobility, the Alpha B2 is more than just a robot—it's a modular, intelligent assistant capable of adapting to diverse missions. Its rugged design, autonomous charging capabilities, and customizable sensor integration make it a powerful tool for organizations seeking high-performance automation in challenging real-world scenarios.



## Product Feature

AI-Powered Intelligence

Modular & Customizable Design

Agile & Stable Mobility

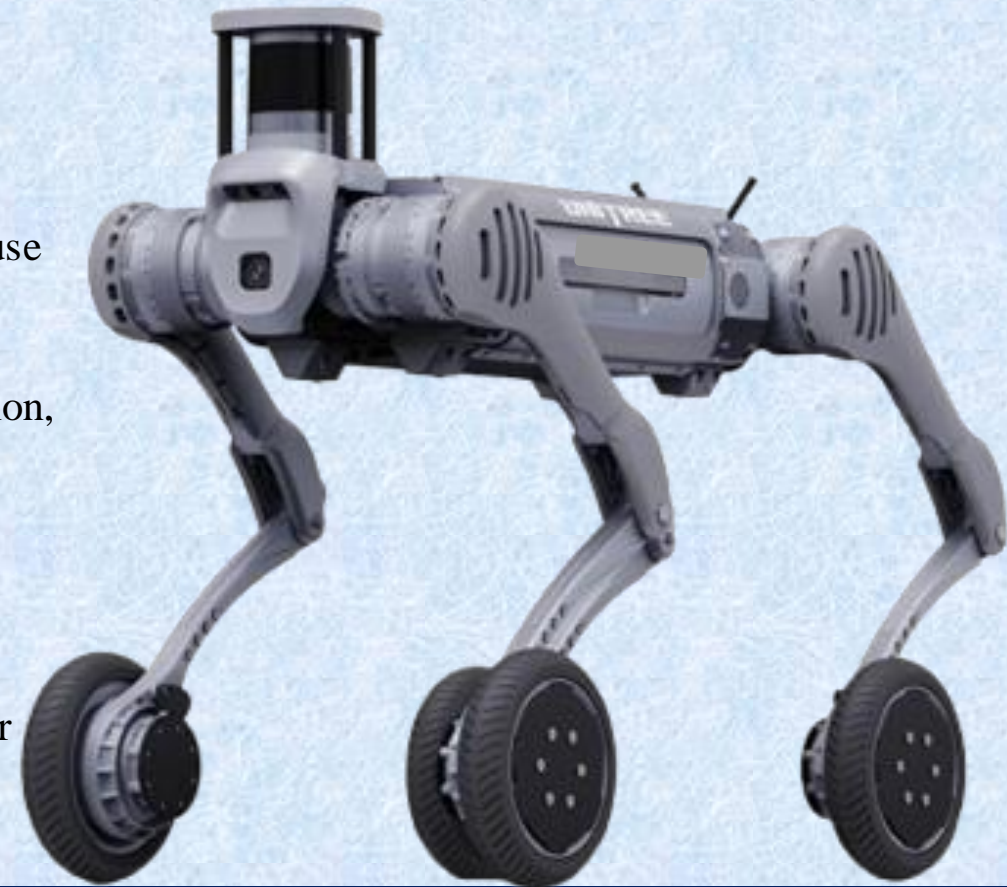
Human-Friendly Aesthetic

Safe and Stable Movements

Heavy-Duty Payload



- **Wheeled-Leg Hybrid Kit**
  - Innovative mobility system allowing seamless transition between wheels and legs for unmatched speed and endurance.
- **Quick-Swap Battery System**
  - Field-ready power solution enabling rapid battery replacement for extended, uninterrupted operations.
- **Autonomous Charging Station**
  - Smart self-docking system for hands-free charging in remote or continuous-use environments.
- **Jetson Orin NX AI Module**
  - Edge AI computing powerhouse supporting advanced autonomy, 3D perception, and real-time decision-making.
- **Weatherproof Shell (IP67)**
  - Provides full protection against dust and water ingress for reliable outdoor performance.
- **High-Capacity Payload Rack**
  - Supports heavy-duty loads up to 40 kg in motion, expanding functionality for industrial-grade missions.



Dimension of standing	≈ 1098mm×450mm×645mm
Dimension of crouching	≈ 880mm×460mm×330mm
Robot Weight	≈ 60kg Total weight (battery included)
Battery Performance	Battery capacity 45Ah(2250Wh), voltage 58V
Endurance Ability	Battery life 4-6h Walking without load > 5h, and the mileage > 20km Walking with 20kg load > 4h, and the mileage > 15km
Payload	Load(Standing) = Max. 120kg Load(Walking) > 40kg
Max Jump Distance	> 1.6m
Running Speed	> 6m/s [1]
Climb Angle	> 45°
Sensing Sensor	3D LiDAR ×1 + Depth camera ×2 + Optical camera ×2 (Varies with different configurations)

# Reference Videos

[Click here to see the videos](#)

## Installation Training

Rich and diverse training methods and materials

## After Sales Service

IOT (The Internet of things) solves more than 90% of technical problems

## CONNECT WITH US

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# THANK YOU