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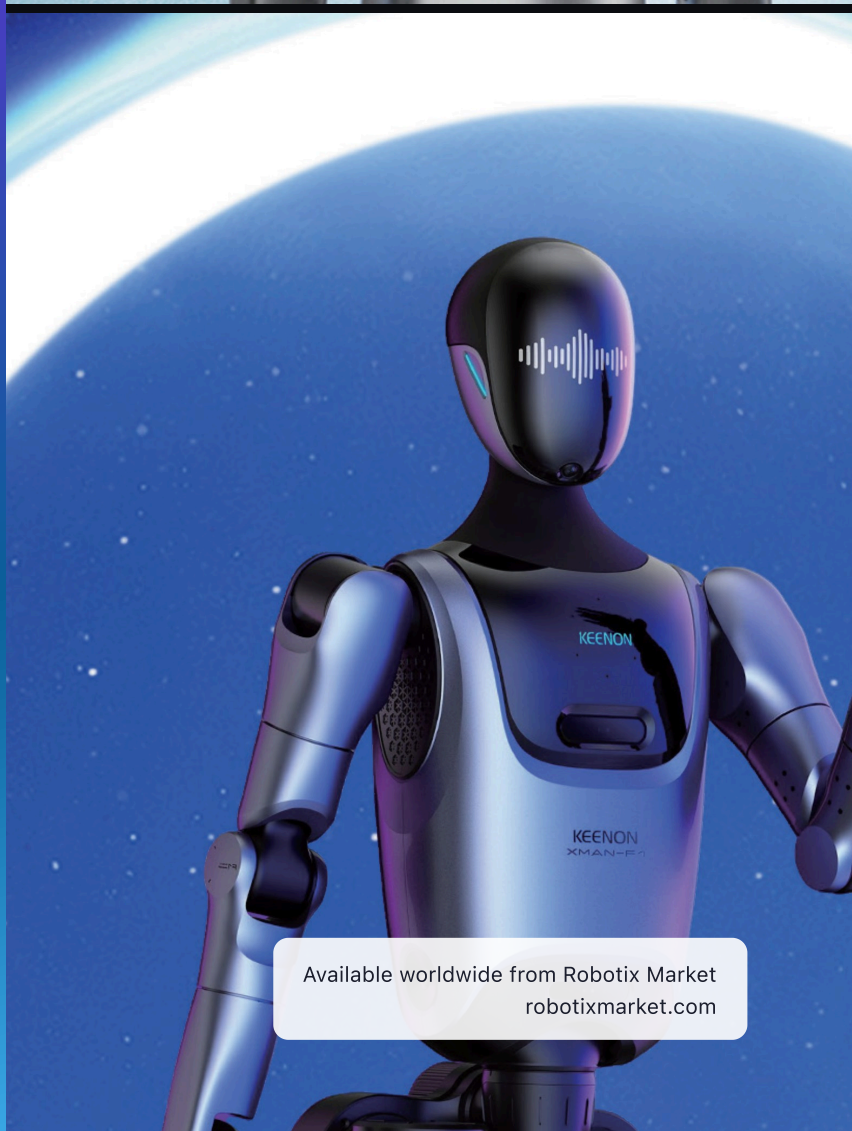


KEENON ROBOTICS · HUMANOID
SERVICE ROBOTS · ROBOTIX MARKET

XMAN R1 · F1

KEENON's humanoid service robots

A wheeled and a bipedal humanoid built for service work, with dexterous hands, 360° vision and 275 TOPS on board.



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OVERVIEW

Humanoids engineered to serve

KEENON's XMAN robots bring humanoid hands and faces to service work. The XMAN-R1 rolls on a wheeled chassis with 36 degrees of freedom; the XMAN-F1 walks on two legs with 43. Both carry 7-DoF arms with 6-DoF dexterous hands, 360° vision, a curved facial display and 275 TOPS of on-board AI, and both can be teleoperated in VR.

Two bodies for service work

The XMAN-R1 moves on a wheeled chassis for multi-scenario service; the XMAN-F1 walks on two legs with 43 degrees of freedom.

Learns fast

VLA-based models trained with deep reinforcement learning give fast iteration and robust behaviour on both robots.

Natural interaction

HD omnidirectional microphones, dual-channel speakers and an HD flexible curved facial display.

Human-scale reach

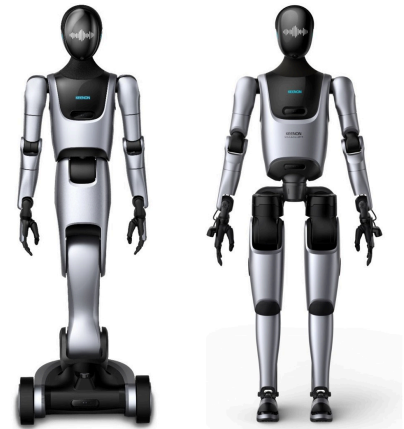
174 cm and 175 cm tall, with two 7-DoF arms and two 6-DoF dexterous hands for human-level precision manipulation.

Sees all around

Four depth vision cameras and four HD wide-angle cameras for 360° coverage, plus LiDAR facing forward and rearward.

Computing on board

275 TOPS of AI processing with 64 GB of VRAM and 64 GB of storage, plus VR dual-arm teleoperation with multi-modal feedback.



43 DoF

WHOLE BODY (F1)

36 DoF

WHOLE BODY (R1)

275 TOPS

AI COMPUTING

8

CAMERAS PER
ROBOT

175 cm

HEIGHT (F1)

Which XMAN?

CHOSEN BY HOW IT MOVES THROUGH YOUR SPACE



XMAN-R1

Wheeled humanoid, 36 DoF

- 174 cm, 110 kg
- Wheeled chassis for multi-scenario service
- Two LiDARs, forward and rearward
- Open hardware and software platform



XMAN-F1

Bipedal humanoid, 43 DoF

- 175 cm, 68 kg
- Two 6-DoF legs and a 3-DoF waist
- 3D LiDAR, forward and rearward
- Multi-robot scheduling system

XMAN-R1 · XMAN-F1 compared

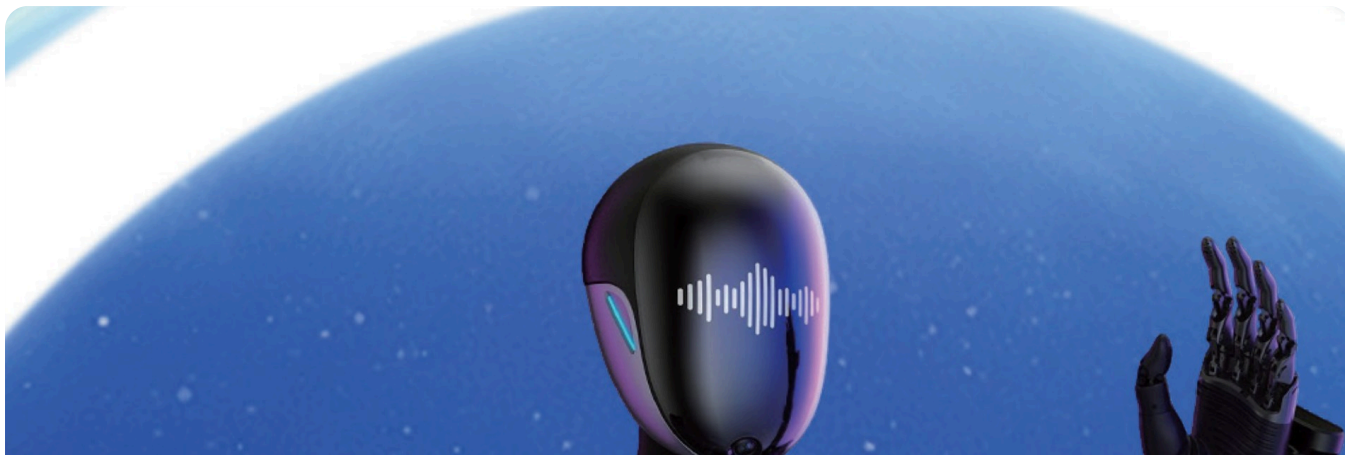
	XMAN-R1	XMAN-F1
	Wheeled humanoid · 36 DoF	Bipedal humanoid · 43 DoF
BODY		
Height	174 cm	175 cm
Weight	110 kg	68 kg
Mobility	Wheeled chassis	Two legs
DEGREES OF FREEDOM		
Whole body	36 DoF	43 DoF
Arms	2 × 7 DoF	
Hands	2 × 6 DoF dexterous hands	
Waist and legs	6 DoF waist and legs	3 DoF waist; 2 × 6 DoF legs
Head	2 DoF	
Chassis	2 DoF wheeled chassis	—
PERCEPTION		
LiDAR	2 LiDARs, forward and rearward	3D LiDAR, forward and rearward
Depth vision	4 depth vision cameras	
Wide-angle vision	4 HD wide-angle cameras, 360° coverage	
INTERACTION		
Voice	HD omnidirectional microphones, dual-channel speakers	
Face	HD flexible curved facial display	
AI AND CONTROL		
AI computing	275 TOPS, 64 GB VRAM, 64 GB storage	
Learning	VLA-based end-to-end model, deep reinforcement learning	VLA large models, deep reinforcement learning
Teleoperation	VR dual-arm teleoperation with multi-modal sensing and feedback	
Communication	Self-developed protocol and dedicated private robot network	—
Multi-robot	—	Self-developed scheduling system for multi-robot collaboration
Platform	Open hardware and software for skill upgrades	—

— not specified for that model. DoF = degrees of freedom; TOPS = trillion operations per second.

In the box: we confirm the full scope of supply, including the charging equipment and any teleoperation kit, with your quotation.

Sources: KEENON XMAN-R1 and XMAN-F1 product pages on keenon.com and KEENON news releases on its WAIC 2025 and WAIC 2026 demonstrations, September 2026. All figures are the manufacturer's.

Made to work alongside people



A face for conversation (both)

An HD flexible curved facial display, HD omnidirectional microphones and dual-channel speakers make interaction feel natural on the XMAN-R1 and the XMAN-F1.



Wheel-driven, multi-scenario (R1)

The 2-DoF wheeled chassis breaks scene boundaries so one robot adapts to many scenarios, with LiDAR watching forward and rearward.



Two legs, 43 DoF (F1)

Two 6-DoF legs and a 3-DoF waist give stable, high-performance motion and coordinated movement.



Dexterous hands (both)

Two 6-DoF dexterous hands on 7-DoF arms handle human-level precision manipulation.



275 TOPS on board (both)

64 GB of VRAM and 64 GB of storage run VLA-based models trained with deep reinforcement learning, for fast iteration and robust behaviour.

From the coffee counter to the laundry room

Coffee service (R1)

KEENON has shown the XMAN-R1 as a barista: picking up cups, preparing coffee and placing drinks at a latte-art machine.

Drinks and snacks (F1)

The XMAN-F1 has prepared popcorn and mixed chilled drinks with adjustable ice levels for visitors.

Hotel laundry

Two KEENON humanoids working together to load washing machines, take out clean laundry and fold garments.

Retail picking

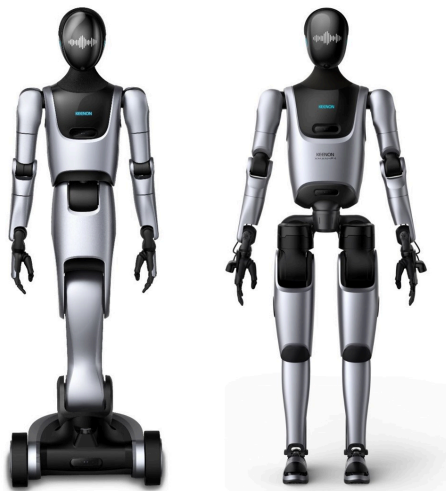
Recognising shelf layouts, finding the requested products, picking them and handing them to customers.

Presentations and demos (F1)

Delivering digital presentations and product demos on stage with multimodal interaction and large language models.

Healthcare support (F1)

Working with KEENON's M104 logistics robot at a medical station as a closed-loop care service.



General-purpose humanoids, specialised robots

KEENON pairs humanoids for manipulation, interaction and flexible tasks with specialised robots such as the DINERBOT T10 and KLEENBOT C40 for high-frequency delivery and cleaning, so complete service workflows run together. The F1's scheduling system supports multi-robot collaboration, and KEENON's 2026 humanoid demonstrations ran autonomously, without teleoperation.

NEXT STEP

Choose your XMAN

Tell us about the role: the tasks, the space, the people it works with and the other robots on site. We will recommend the model and come back with a configuration, a delivery estimate to your address and a formal quotation.

Request a quotation

Web

robotixmarket.com/products/keenon-xman-r1-wheeled-humanoid-robot

XMAN-F1: scan its code for the product page.

Email · info@robotixmarket.com

Prices on request; configuration and delivery are confirmed with your quotation. Robotix Market ships worldwide.



XMAN-R1



XMAN-F1

Sourced new

Supplied through established distribution channels.

Manufacturer warranty

Every robot ships with the full KEENON manufacturer warranty and official documentation.

Support

Technical support is coordinated with the manufacturer's service network.

See it in action

XMAN-R1: youtube.com/watch?v=t6K-tCAg1Z0