



# JD.COM

## Technology. Innovation. Excellence.

### THE WORLD'S FIRST LARGE-SCALE E-COMMERCE APPLICATION OF DRONE TECHNOLOGY

Using proprietary technology developed at JD-X, JD.com's logistics innovation lab, the JD Drone program aims to bring the benefits and advantages of ecommerce to remote rural communities in China, a population that is currently underserved by the ecommerce industry.



**OCTOBER 2015:**  
JD begins developing drones



**JUNE 2016:**  
JD begins drone trial runs to customers



**TODAY:**

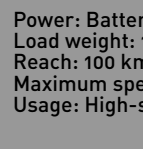
- 7 types of last-mile delivery drones
- Near 100 drone routes in several provinces
- Over 300 thousand minutes of flight accumulated

### SHAANXI DRONE INITIATIVE

- Agreement with the Shaanxi provincial government to build China's largest low-altitude drone logistics network, spanning a 300 kilometer-radius.
- Drone research partnership with Northwestern Polytechnical University, including development of a heavy-load drone that can carry a ton
- Partnership with China West Airport Group to build airbases for drones throughout the region
- Agreement with the municipal government of Hangcheng to test urban drone delivery and smart logistics
- Agreement with Linyou County to modernize logistics for the local agricultural industry



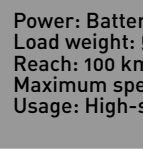
Power: Battery  
Load weight: 5KG  
Reach: 7 km per charge  
Maximum speed: 54km/h  
Usage: 'Short-hop' delivery



Power: Battery  
Load weight: 10KG  
Reach: 100 km per charge  
Maximum speed: 100km/h  
Usage: High-speed; long-distance delivery



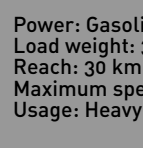
Power: Battery  
Load weight: 10KG  
Reach: 10 km per charge  
Maximum speed: 72km/h  
Usage: Automatic discharge; high-speed



Power: Battery  
Load weight: 5-10KG  
Reach: 100 km per charge  
Maximum speed: 100km/h  
Usage: High-speed; long-endurance



Power: Battery  
Load weight: 10KG  
Reach: 10 km per charge  
Maximum speed: 72km/h  
Usage: High-speed; long-endurance



Power: Gasoline  
Load weight: 30KG  
Reach: 30 km per charge  
Maximum speed: 54km/h  
Usage: Heavy-load; long-endurance



Power: Battery  
Load weight: 20KG  
Reach: 15-20 km per charge  
Maximum speed: 54km/h  
Usage: Automatic discharge, embedded cabin

