

Industrial Grade High-Performance Aviation Plugs

Robust Connection Solutions for Harsh Environments



High-Speed Data Transmission

Low latency & anti-interference ensure lossless signal transmission under complex conditions.



Safe Indoor Power Supply

High current capacity & excellent insulation provide stable power for precision equipment.



IP68 Outdoor Waterproof

Resistant to harsh outdoor elements, ensuring stable and durable connections.

Product Overview: What is an Aviation Plug? Why Choose Us?



01 / Core Definition

Aviation plugs, also known as connectors, are indispensable core components in electronic devices. Designed for extreme environments like aerospace, they enable reliable electrical connection and signal transmission, serving as key nodes for system connectivity.



02 / Key Value

In industrial automation, data communication, and power transmission, reliable connections mean system stability, safety, and efficiency. Our products provide lasting protection for complex working conditions, reducing failure risks from the source.



03 / Full-Stack Commitment

We provide full-scenario connection solutions from data to power, from indoor precision equipment to outdoor harsh environments, ensuring every connection is rock-solid and trustworthy.

"With technology as our foundation and reliability as our lifeblood, we build a **stable, safe, and efficient** connection foundation for global customers."

Data Transmission Expert - Network Cable Aviation Plug



High-speed and stable, a reliable choice for industrial ethernet.

Designed for Data

Featuring a standard RJ45 interface, it perfectly adapts to various network devices and industrial cables, plug-and-play with no additional adapters needed.

Superior Transmission Performance

Supports 100M/1000M Ethernet speeds with low latency and packet loss, fully meeting high-bandwidth data communication needs in industrial scenarios.

Robust Metal Shielding

High-strength metal housing provides excellent shock and vibration resistance, effectively shielding electromagnetic interference (EMI) to ensure signal stability.

Versatile Application Range

User-friendly buckle design ensures secure connection, widely used in industrial production lines, smart buildings, security monitoring, and rail transit.

Covering industrial automation, smart building cabling, outdoor security monitoring, marine rail transit and other full scenarios, it provides reliable guarantee for critical data transmission.

Indoor Power Core - Power Indoor Aviation Plug

Safe and efficient, the power source for indoor equipment, providing stable power connection for critical scenarios



Featuring a high-strength housing and precision internal structure, it perfectly adapts to various harsh indoor environments, balancing durability and aesthetic design, making it the ideal solution for industrial and commercial applications.



Focus on Power Transmission

Designed for power supply of high-power indoor equipment, optimizing contact structure to provide continuous, stable and reliable power connection and ensure uninterrupted operation of equipment.



Excellent Conductivity

Selected high-purity copper alloy terminals are specially processed to ensure extremely low contact resistance, minimize power transmission loss and achieve outstanding efficiency.



Multiple Safety Protections

With excellent insulation performance and complete grounding protection design, it effectively prevents leakage and short circuit risks, escorting the safety of operators and equipment.



Modular & Multi-scenario

Compact structure for easy installation and maintenance. Widely used in industrial control cabinets, data centers, medical equipment, commercial stage lighting and other professional scenarios.

All-Weather Guardian - Power Waterproof Aviation Plug



Fearless of wind and rain, power guarantee in harsh environments

Widely used in outdoor LED displays, port & mining machinery, agricultural irrigation systems, and new energy charging piles, ensuring uninterrupted power supply in harsh outdoor conditions.



Top Waterproof Protection

With IP67/IP68 high protection levels, it works stably in extreme conditions like flooding, rain, and dust, effectively isolating water vapor intrusion.



Superior Environmental Resistance

The shell is made of high-strength engineering plastic or metal, resistant to temperature changes, corrosion, and UV aging, adapting to complex outdoor conditions.



Reliable Safety Locking Mechanism

Equipped with multiple locking devices to prevent accidental disconnection from vibration or collision, ensuring stable connection and safe power transmission.



Strong Current Carrying Capacity

Designed for high-power transmission with low resistance and high conductivity, perfectly adapting to power supply needs of heavy machinery, large lighting and new energy facilities.

Core Technical Advantages



Extreme Durability

High-quality materials and precision manufacturing ensure an ultra-long service life even under frequent plugging, extreme temperatures and harsh environments.



Connection Reliability

Precision structural design and strict quality control ensure tight and stable connections every time, eliminating signal interruptions or power failures.



Ease of Installation

Humanized design makes panel mounting and cable docking simple and fast, effectively reducing construction costs and time.



Wide Adaptability

A rich product portfolio from data to power, standard to custom, meets personalized connection needs across industries and scenarios.

Guided by the core values of integrity, technology as the cornerstone, and quality as the guarantee, we create efficient, stable, and safe connection solutions.

Product Feature

01. Network Cable Aviation Plug

Core Function: Focuses on high-speed, stable data signal transmission to ensure error-free network communication.

Key Parameters: RJ45 interface, IP54 protection level, metal housing, with excellent anti-electromagnetic interference capability.

Typical Applications: Industrial Ethernet cabling, security monitoring systems, automation control networks, and other indoor/general industrial scenarios.

02. Power Indoor Aviation Plug

Core Function: Designed specifically for indoor power distribution, providing a safe and efficient power transmission channel.

Key Parameters: Industrial power pin interface, IP20 touch-proof level, metal or high-strength plastic housing, easy to install.

Typical Applications: Internal connection of electrical control cabinets, PDU power distribution, precision instruments and meters, and office automation equipment.

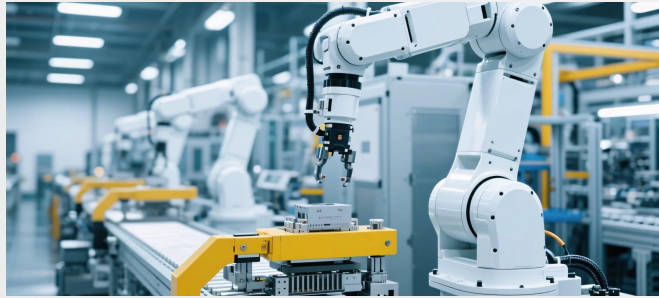
03. Power Waterproof Aviation Plug

Core Function: Copes with harsh outdoor environments, ensuring the continuity and safety of power transmission against water and dust.

Key Parameters: IP67/IP68 top-level protection, high-strength engineering plastic housing, with core advantages of **waterproofing, durability and anti-falling-off**.

Typical Applications: Outdoor LED lighting, heavy machinery, new energy charging piles, marine engineering, and chemical corrosion environments.

Wide Range of Applications: Empowering Thousands of Industries



Industrial Automation

Connecting robots, PLCs, and sensor networks to build an efficient and intelligent modern production closed-loop.



Data Communication

High-speed data links for switches, routers, and servers ensure stable transmission of massive information.



Power Energy

Covering power generation, transmission and distribution, and new energy facilities to ensure the safe and reliable operation of energy systems.



Transportation & Security

Stable foundation for rail transit, automotive connectivity, and security systems like cameras and access control.



Smart Buildings

Supporting smart lighting and building automation to create green and intelligent spaces.



Medical Equipment

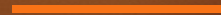
Providing precise and stable internal signal connection solutions for diagnostic and monitoring equipment.



Outdoor Landscaping

Empowering LED screens and fountain lighting to adapt to complex outdoor environments.

Thank You Very Much



Welcome