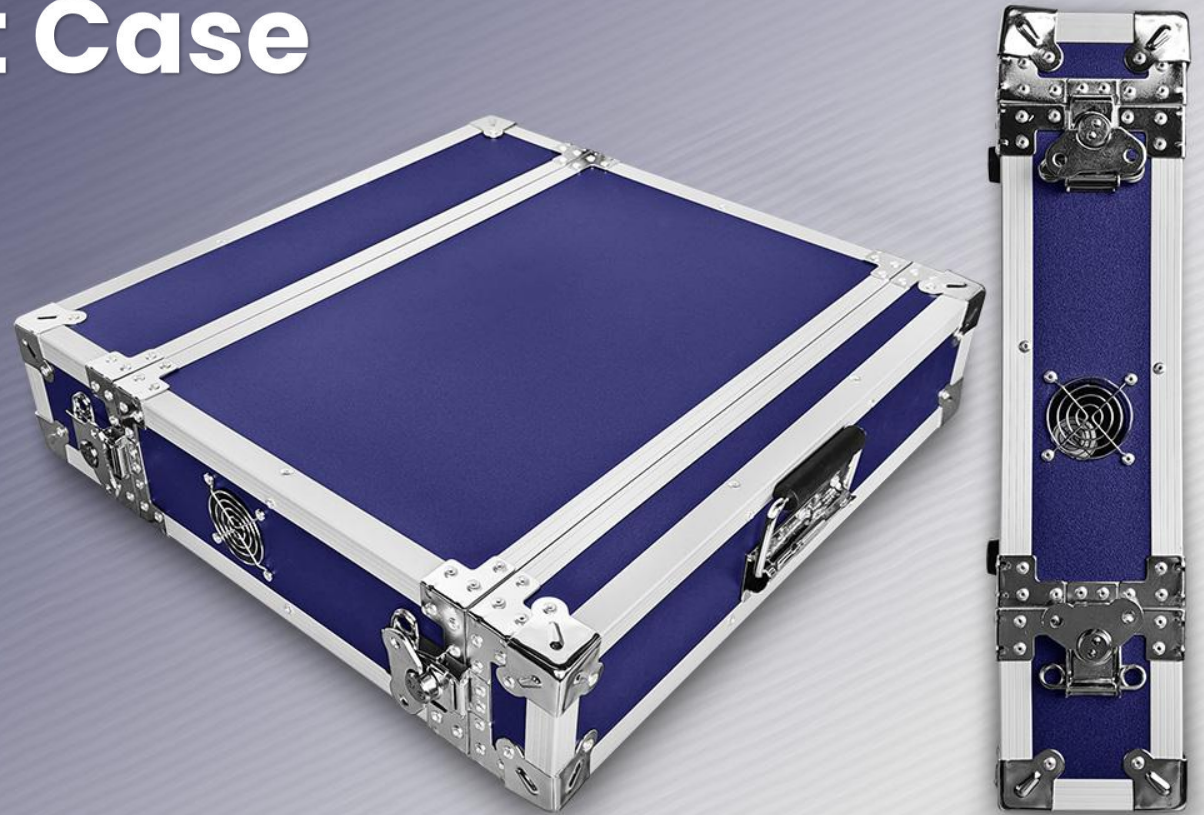


PRODUCT INTRODUCTION

Professional Flight Case

More Than a Case,
It's Your Equipment's
Mobile Fortress of Security



What is a Professional Flight Case?

More Than a Case, It's Your Equipment's Mobile Fortress of Security



Integrated Protection System Definition

A professional flight case, also known as an aviation case, is a heavy-duty transport & storage solution designed for **high-value, precision & fragile equipment**.

It is an integrated system combining **structural mechanics, material science & ergonomics**, balancing durability and usability.



Core Design & Protection Goals

To provide the highest level of physical protection against extreme environments, isolating external threats comprehensively.

Key Protections:

Shock Absorption · Vibration Resistance · Compression Resistance · Dustproof · Waterproof

Solving Core Pain Points, Securing Asset Safety

Value Proposition of Flight Cases

For professionals, expensive equipment is not just a tool, but a source of productivity and income. The value of a flight case lies in **maximizing the integrity and lifespan of equipment**, ensuring smooth operation for every performance and task, and avoiding huge economic losses and opportunity costs caused by damage. It is a necessary investment in your core assets.



Transportation Risks

Rough handling in logistics, vehicle bumps, and collisions during loading/unloading can cause irreversible damage to precision equipment.



Environmental Threats

Extreme temperature/humidity changes, rain, dust, and corrosive gases accelerate aging and shorten lifespan.



Usage Wear & Tear

Frequent opening, relocation, and accidental drops/scratches cause wear and loose internal components.

Core Advantage 1: Built-in EPE Eco-friendly Shock-absorbing Foam

The "Airbag" for Impact Absorption

Our flight cases come standard with high-quality EPE (Expandable Polyethylene) foam as cushioning lining. This is not just ordinary foam, but a precisely calculated energy absorption system.



Superior Cushioning Performance

The closed-cell foam structure forms an efficient "energy absorption matrix", absorbing most kinetic energy to attenuate impact force.



Customized Perfect Fit

Laser cutting for precise contour fit ("one object, one slot"), eliminating shaking and preventing internal collision.



Eco-friendly & Durable

Non-toxic, eco-friendly material with excellent chemical stability, not easily damaged, durable for long-term use.



Core Advantage 2: Reinforced Metal Corner Protectors

The "Steel Guardian" of the Case Structure

The corners of the case are the most vulnerable parts to damage during collisions and drops. We use thickened aluminum alloy material to make metal corner protectors, providing critical structural reinforcement for the case.



Dispersing Impact Stress

The metal corner protectors effectively disperse the impact force concentrated on the corners to a larger surface area of the case, avoiding plate cracking or denting caused by stress concentration.



High-Quality Material & Craftsmanship

We select high-quality anodized aluminum with a thickness of no less than **1.2mm**. The surface is anodized to form a dense protective film, which is not only beautiful but also effectively prevents oxidation and corrosion.



Core Advantage 3: Thickened Metal Latches

The "Reliable Guardian" for Secure Closure



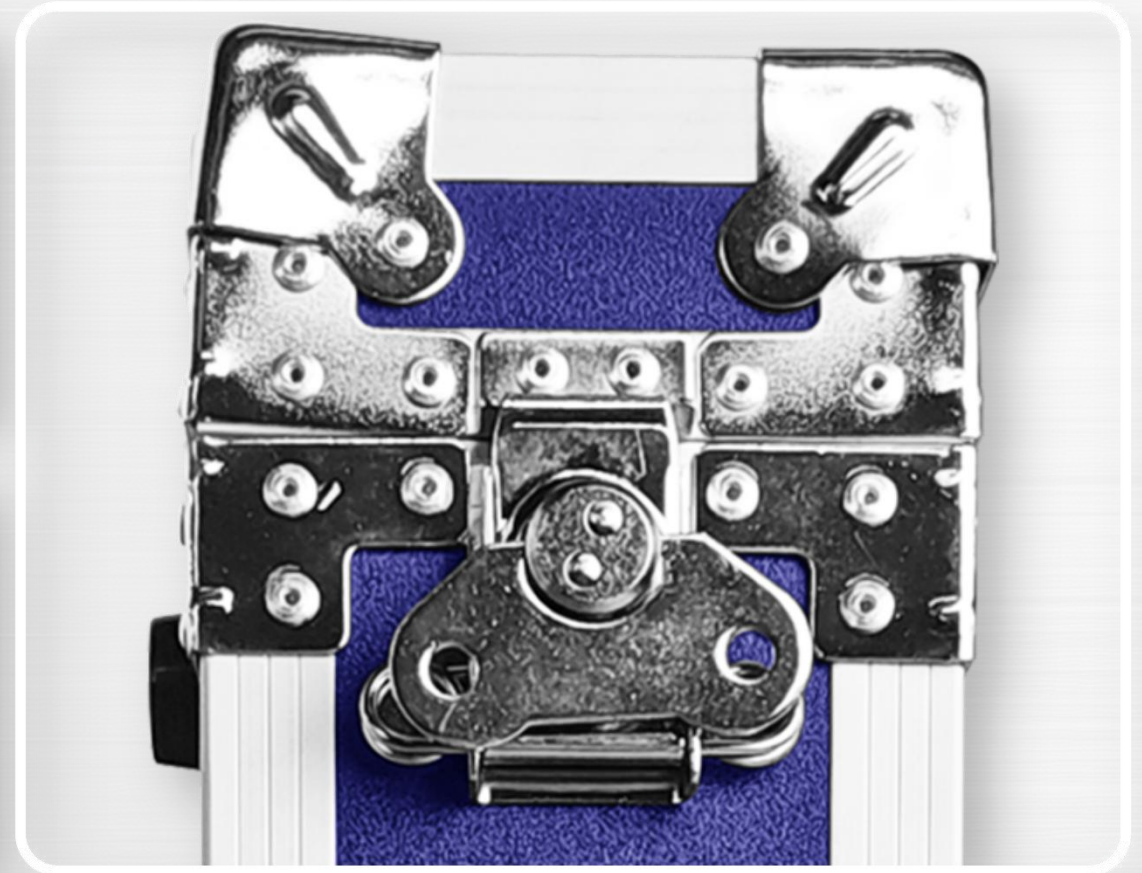
Strong Closing Pressure

Built-in high-strength springs provide continuous closing pressure, ensuring the lid fits tightly and won't pop open even during severe bumps, blocking dust and moisture effectively.



Superior Durability

High-quality galvanized hardware prevents rust. Key stress areas are made of thickened steel, enduring thousands of openings and closings without deformation.



Product Specifications: Precisely Matching Your Needs

What is a "U" (Rack Unit)?

We offer three commonly used models based on the **19-inch standard cabinet size** to meet the installation needs of equipment of different heights.



Definition of "U"

"U" is the standard height unit for professional audio, video, and stage equipment. This standard ensures compatibility with most standard rack-mount equipment.



Standard Calculation Formula

$$1\text{U} = 1.75_{\text{in}} = 44.45_{\text{mm}}$$

Complies with EIA-310 industrial cabinet design standards for universality and stability

Model Overview:

1U / 1.5U / 2U

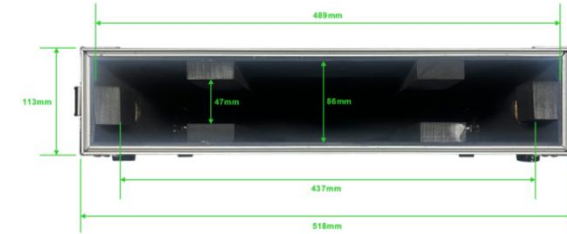
Three Standard Models to
Meet Different Equipment Needs

Flexible Adaptation for All Scenarios

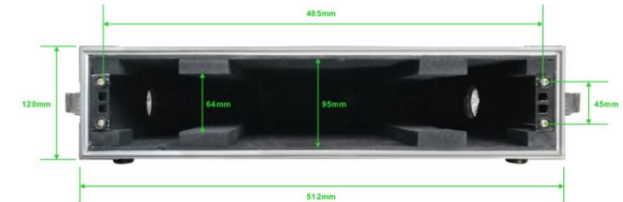
We offer three standard models based on the 19-inch standard cabinet size, precisely matching the installation needs of equipment of different heights. From small effect pedals to larger power amplifiers, mixers, and lighting consoles, we have optimized storage solutions for all.

- ✓ Professional-grade shockproof and pressure-resistant
- ✓ Optimized internal space layout for enhanced practicality

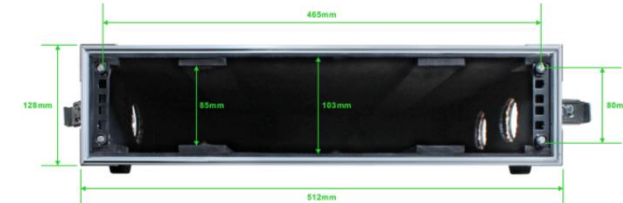
1U



1.5U



2U



Detailed Parameter Table

Precise Dimensions at a Glance · Perfect storage for pro audio gear

1U Standard Rack	1.5U Extended Rack	2U Professional Rack
 External Dimensions (L×W×H) 550 × 500 × 80 mm  Internal Space (W×H) 480 × 44 mm Applicable Devices LED Play Box, DI Boxes, Sequencers	 External Dimensions (L×W×H) 550 × 500 × 120 mm  Internal Space (W×H) 480 × 66 mm Applicable Devices Mic Preamps, LED Video Processors & Controller	 External Dimensions (L×W×H) 550 × 500 × 160 mm  Internal Space (W×H) 480 × 88 mm Applicable Devices Amplifiers, Mixers Large LED Video Controller

Product Showcase

Professional Choice -- Everywhere



Selection Guide: How to Choose the Flight Case That's Right for You?

A Three-Step Method to Choose Your Exclusive Protection Solution

01

01 Determine Equipment Dimensions and "U" Count

- Precisely measure the width, depth, and height of your equipment.
- Divide the equipment height (mm) by 44.45 to get the required "U" count.

02

02 Evaluate Usage Environment and Frequency

- Consider transportation distance, road conditions, frequency of use.
- Evaluate environmental factors (humidity, dust).

03

03 Consider Additional Functions & Customization

- Mobility: Wheels & telescopic rod?
- Customization: Lining or logo printing?

Conclusion: Investing in Safety is Investing in the Future

A Comprehensive Solution of Professionalism, Safety, and Durability



EPE Shock Absorption

Provides efficient internal cushioning, absorbing over 95% of impact.



High-Strength Metal Corners

Ensures the structural strength of the case, resisting collisions and drops.



Thickened Durable Latches

Ensures secure closure during transportation, preventing dust and moisture.



Standardized "U" Value Design

Compatible with most professional equipment, with wide applications.

Our flight case is a comprehensive solution integrating safety, durability, and professionalism, and is the most reliable guardian for your core equipment.

Take Action Now, Protect Your Equipment



Consult Now

Learn more about product details and customization services.
We will provide one-on-one professional answers to help match your needs.



Get a Quote

Based on equipment type, size & level.
We customize the optimal solution & provide a transparent quote.



Contact Us

 Tel: 008618665865103
 Email: cindy.wang@amoonsky.com
 Website: www.amoonsky.com

THANK YOU

Looking forward to cooperating with you

