G156AD-SUIT

15.6" Intel® Core™ i5-1235U Rugged Ground Control Station Suitcase

CE

FC

KEY FEATURES

- Dust, and water-resistant design (IP65). MIL-grade drop, Shock and vibration
- Packed with 2 replacement batteries and boasting a long battery life, this is a must-have tool for serious UAV pilots.
- Packed in rugged and waterproof case for better protection and easy carrying solution

INTRODUCTION

Winmate Rugged Portable Controller Series is a reliable and durable solution for ground control applications, featuring a 15.6" display and powered by an Intel® processor. Designed with an IP65-rated dust and water-resistant build and MIL-grade protection against drops, shocks, and vibrations, it ensures performance in harsh conditions. Equipped with two replacement batteries for extended use and packed in a rugged waterproof case, it offers superior portability and protection, making it an essential tool for UAV pilots and field operations.

SPECIFICATIONS

Display

Bonding	Optical Bonding for Sunlight Viewability	Touch / Glass	Projected Capacitive Multi Touch Screen Protection Glass (Optional) Anti-glare Coating (Optional)
Resolution	1920x1080	Size	15.6 inches
Contrast Ratio	800:1	Panel Brightness	2000.0 nits
View Angles	89,89,89,89	Active Area	344.16x193.59 mm

System Specification

Processor	Intel® Core™ i5-1235U 3.3GHz(up to 4.40 GHz)	Memory	1 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 2280 M-Key NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 1 x SATA III for 2.5" SSD/HDD up to 2TB (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Security	TPM 2.0	Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)
Buzzer	nan		

Mechanical

Dimension	502 x 401 x 188 mm	Weight	14.6kg
Cooling System	Fan Design		

IO Ports

USB Port	1 x waterproof connector for USB 3.0 (typeA)	Serial Port	1 x M12 waterproof connector for RS232

Video	1 x waterproof connector for HDMI output	Audio	2x Speakers
LAN	1 x waterproof Giga LAN RJ45 connector		

Environment

Operating Humidity	10% to 90% RH, non-condensing	Operating Temperature	-20°C to 60°C (AC mode), -10°C to 50°C (Battery mode)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)	Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I	IP rating	IP65
Length	nan		

Certification

Certification	CE, FCC

Control

Button	2x joystick 3x roller switch 2x 2 band toggle switch 6x button 1x OSD control 1x keyboard and touch pad

Power

Power Rating	19V DC

Accessory

Accessory	19V Adapter and Power Cord

DIMENSIONS UNIT:MM
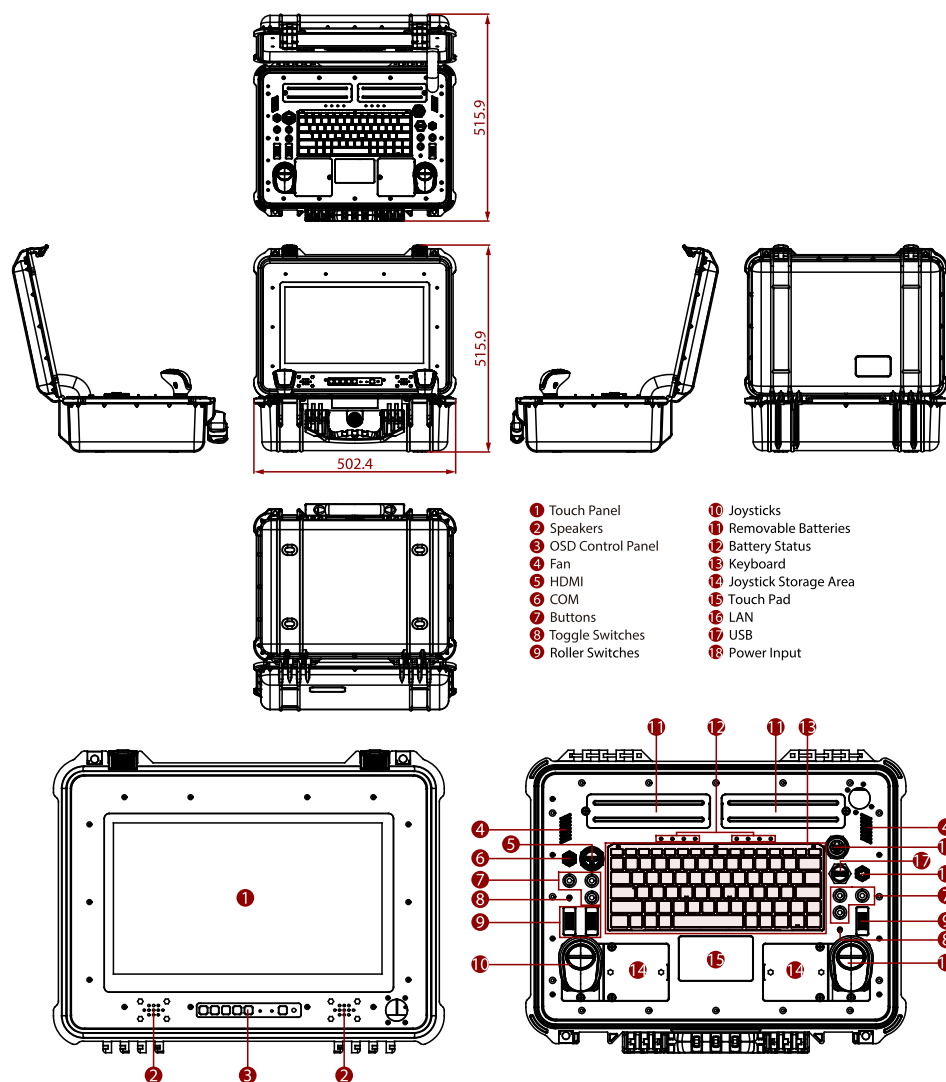
NOTE

1.This is a simplified drawing and some components are not marked in detail.
2.Please contact our sales representative if you need further product information.
3.All specifications are subject to change without prior notice.
4.The product shown in this datasheet is a standard model.For diagrams that contain customized or optional I/ O, please contact the Winmate Sales Team for more information.

1 Touch Panel
2 Speakers
3 OSD Control Panel
4 Fan
5 HDMI
6 COM
7 Buttons
8 Toggle Switches
9 Roller Switches
10 Joysticks
11 Removable Batteries
12 Battery Status
13 Keyboard
14 Joystick Storage Area
15 Touch Pad
16 LAN
17 USB
18 Power Input

WINMATE

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