S101NT-ALPR

10,1-Zoll-Edge-AI-Robust-Tablet mit NVIDIA Jetson Orin Nano



KEY FEATURES

- Angetrieben von NVIDIA® Jetson Orin™ Nano 8 GB, der bis zu 50 TOPS KI-Leistung für KI-Inferenz in Echtzeit am Edge liefert
- Integriert die ALPR-Anwendung von Winmate mit einer externen 3,1-MP-USB-3.0-Kamera mit Global-Shutter
- Ermöglicht sofortige Kennzeichenerkennung, Überprüfung anhand von Whitelists und Blacklists sowie Bedienerinteraktion direkt auf dem 10,1-Zoll-Touchdisplay
- Unterstützt zwei externe USB-Kameras mit einer verriegelbaren Typ-C-Verbindung für flexible Kamerapositionierung und zuverlässige Konnektivität
- Verfügt über Schutzklasse IP65 und entspricht MIL-STD-810H, mit einem 800-nit-Display und einem im laufenden Betrieb austauschbaren Akku für anspruchsvolle Einsatzumgebungen

INTRODUCTION

Das Winmate S101NT-ALPR ist ein robustes 10,1-Zoll-Edge-AI-Tablet, das für die automatische Kennzeichenerkennung (ALPR) in Echtzeit und intelligente Einsätze im Außendienst entwickelt wurde. Angetrieben vom NVIDIA® Jetson Orin™ Nano 8-GB-Modul mit einer KI-Leistung von bis zu 50 TOPS ermöglicht es Edge-Inferenz mit geringer Latenz und schnelle Bildverarbeitung. Dank seines robusten Designs eignet es sich hervorragend für den Einsatz bei Strafverfolgungsbehörden, im Parkraummanagement, bei der mobilen Zugangskontrolle und anderen anspruchsvollen Außenanwendungen.

SPECIFICATIONS

Display

Resolution	1920x1200	**Size**	10.1 inches
Contrast Ratio	800:1	**Panel Brightness**	800.0 nits
View Angles	85,85,85,85	**Bonding**	Optical Bonding for Sunlight Viewability
Type	Projected Capacitive Multi Touch	**Viewability**	Anti-Glare touch treatment
Touch Mode	Support Hand/Rain, Stylus, Glove Mode		

System Specification

Processor	NVIDIA Jetson Orin Nano 8GB 10/15/20W (Three Mode)	**Memory**	8GB on Orin Nano SOM
Storage	128GB SSD (Default) 256GB SSD (Optional) 512GB SSD (Optional) 1TB SSD (Optional) 2TB SSD (Optional)	**Security**	Trusted Platform Module (TPM) 2.0 Kensington Lock
Operating System	Jetpack 6.2 Operating System	**WLAN**	Support
BT	Support	**WWAN**	4G (Optional) 5G (Optional)

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GNSS	GPS, GLONASS	**Sensors**	Light sensor/ G-sensor / Gyro

Mechanical

Dimension	272 x 192 x 25mm	**Weight**	1.1 kg
Cooling System	Fan Design		

Environment

Operating Humidity	10% to 90% RH, non-condensing	**Operating Temperature**	-20°C to 60°C
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
Drop	MIL-STD-810H Method 516.8 Procedure IV, 4 ft		

Certification

Certification	CE, FCC

IO Ports

USB Port	1 x USB 3.0 (Type-C support Power Delivery 20V In) 1 x USB 3.0 (Type A) (when lockable I/O plate be removed)	**SD Card Slot**	1 x Micro SDXC slot
SIM Card Slot	1 x Nano SIM card slot	**Audio**	1 x Audio combo 3.5mm audio combo jack (Mic in or Line Out) (when lockable I/O plate be removed) Dual Mic Built-in Microphone Single Speaker
Expansion Port	1 x Expansion Connector for USB3.0 / UART (Optional)	**LAN**	1 x RJ45-10/100/1000 GigaLAN port
Indicator	2x LED Indicator for Power, Battery	**Docking Connector**	1 x 19-pin docking connector

Control

Button	1 x Power 2 x Programmable function Keys

Barcode Scanner

Barcode Scanner	1D/2D Barcode Reader (Optional)

Camera

Front Camera	2MP Front Camera (Optional)	**Rear Camera**	8MP Rear Camera (Optional)

Accessory

Accessory	Adapter and Power Cord Standard Battery	**Optional Accessory**	Vehicle Charger (Optional) Vehicle Dock (Optional) Desk Dock (Optional) Battery Charger (Optional) Hand Strap (Optional) Shoulder Strap (Optional) Carry Bag (Optional) Stylus (Optional)

Power

Battery	Hot-swappable 11.4V, typ. 3500 mAh Li-Ion Re-chargeable Battery (3S1P) 11.4V, typ. 4750 mAh Li-Ion Re-chargeable Battery (3S1P) (Optional)	**Power Rating**	19V DC
Adapter	100-240V, 50-60Hz / 19V DC	**Consumption**	10/15/20W (Three Mode)

Edge AI Kit

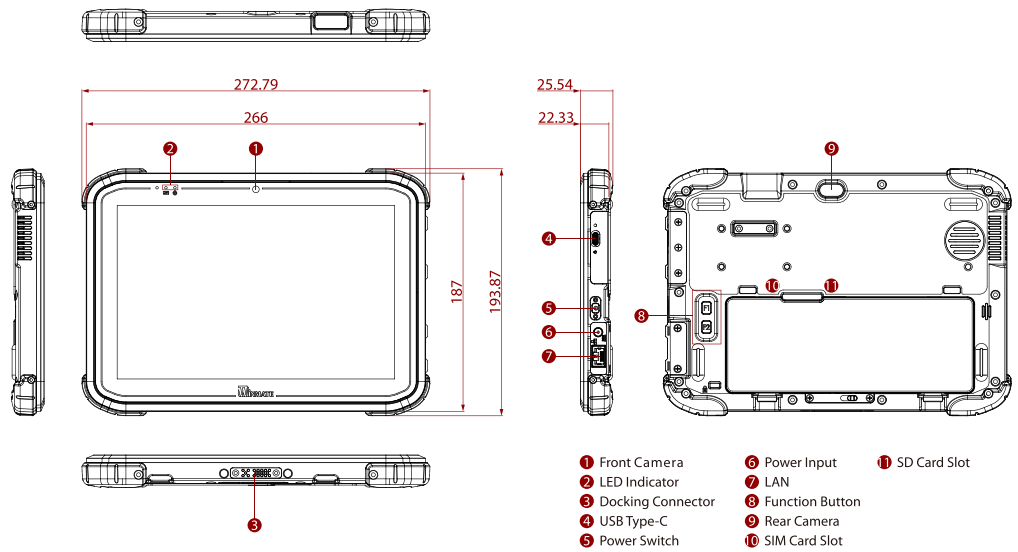
Interface	Camera: USB3.0	**Dimension**	Camera: 51.1 x 39.5 x 29 mm
Resolution	Camera: 3M (2048x1536)	**Shutter**	Camera: Global Shutter
Accessory	1 x USB 3.0 Lockable Type-C cable	**Winmate IoT Application**	Automatic License Plate Recognition App

DIMENSIONS UNIT:MM

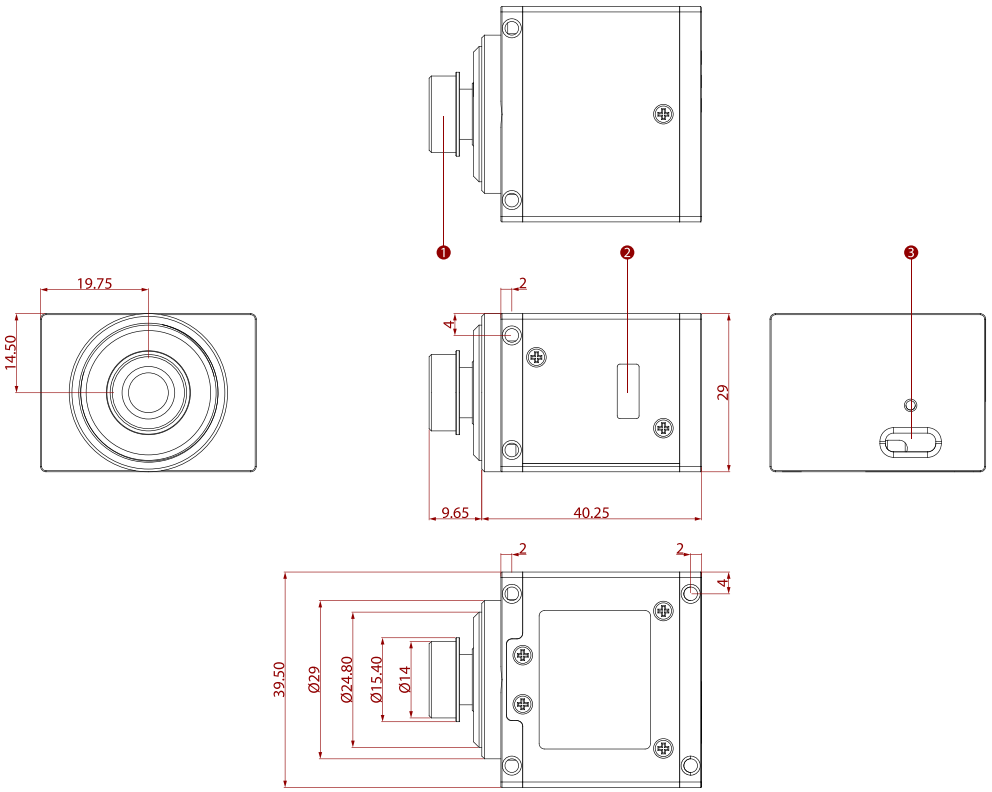
NOTE

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.
＊ Some images or content on this page are created or enhanced using generative AI technology. All AI-generated content has been reviewed before publication.



1 Front Camera
2 LED Indicator
3 Docking Connector
4 USB Type-C
5 Power Switch
6 Power Input
7 LAN
8 Function Button
9 Rear Camera
10 SIM Card Slot
11 SD Card Slot



1 M12 Camera Lens
2 4Pin Connector
3 USB Type-C Connector