



S101NT-ALPR 10.1" Edge-AI Rugged Tablet with NVIDIA Jetson Orin Nano

Manufacturer part number: S101NT-ALPR | Edge AI Mobility



Winmate S101NT-ALPR is a rugged Edge AI tablet powered by NVIDIA Jetson Orin Nano for real-time ALPR, dual-camera capture, and demanding field operations.

Display	
Size	10.1 inches
Resolution	1920x1200
Type	Projected Capacitive Multi Touch
Panel Brightness	800.0 nits
Contrast Ratio	800:1
View Angles	85,85,85,85
Bonding	Optical Bonding for Sunlight Viewability
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)
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 deg C to 60 deg C
Storage Temperature	-30 deg C to 70 deg C (-22 deg F to 158 deg F)
Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I
Drop	MIL-STD-810H Method 516.8 Procedure IV, 4 ft
IP rating	IP65
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)
LAN	1 x RJ45-10/100/1000 GigaLAN port
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
SD Card Slot	1 x Micro SDXC slot
SIM Card Slot	1 x Nano SIM card slot
Expansion Port	1 x Expansion Connector for USB3.0 / UART (Optional)
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