

Athena Pad Air-(Win)

Series Industrial Tablet

V 1.1 of Product Specifications



I.Athena[®] PAD AIR-(WIN) SERIES TABLET PERFORMANCE, PHYSICAL AND ENVIRONMENTAL PARAMETERS

CPU/ graphics	Intel Core M3-8100Y,2 core 4 thread 1.1 GHz, maximum RUI frequency 3.4 GHz/Intel UHD 615, basic frequency 300 MHz, maximum dynamic frequency 900
Operating system	Windows 10 professional version 64 bits / Windows 10 enterprise version 64 bits
Memory/ hard disk	8GB LPDDR3 Samsung 1867MHz GB /128(Kingston/Solid Hard Disk Customizable 256 GB)
User Storage Extension Interface/communication	Micro SD Card, support SDXC
	TYPE-C interface, support host charging, support USB3.0(down compatible USB2.0, support for headphones, etc
SIM slot	Nano-SIM card support
Press button	3 buttons (power, volume +、 -)
Display screen	11.0 inch full view LCD, capacitive 10-point touch, glove/water touch supported
	Resolution 1920×1200, normal brightness (customizable highlight 800 nit)
Power supply	Maximum input power 27 W DC IN: bottom contact interface
	Detachable 7.7 V lithium ion rechargeable battery mAh 5070 typical 4920 mAh rating
	USB TYPE-C interface, support PD fast charging
Bottom contact extension interface	USB2.0、 5V output, DC input, IO
Indicator	One red and green double color: red charge indication, green working state indication. A red and blue double color lamp: blue (reserved), red scan indicator lamp.
Audio	Built-in stereo speaker ,4Ω2W*2. Built-in double microphone. support TypeC digital headset.
Sensor	Acceleration sensors, ambient light sensors
Hand strap	Standard
Size	258*173*10.8(12) mm
Weight (including standard batteries)	690 g(Weight varies depending on configuration)

Working temperature	-10°C+50
Storage temperature	-°C20 to +60
Humidity	5% to 95%RH No condensation
Waterproof and Dustproof Industrial Grade	IP 65
Drop level	1.2 m smooth marble
Electrostatic discharge (ESD)	±15 kV air discharge ,±8 direct discharge

II.Athena® Pad Air-(Win) Tablet Data Acquisition Function Parameters

Function 1	2D Advanced Image Scanning Engine (Optional)
IMAGE RESOLUTION	1280*800
VIEW ANGLE	°57.6 horizontal ,44.4 vertical
RESOLUTION	mil 5
LED COMPLEMENTARY LIGHT SOURCE	Temperature :2700 K; Service life: IESNA LM-80 standard
AIMER	Figure: Cross laser graphics
LASER SAFETY LEVEL	Class II
SUPPORT SYMBOLS	1D: UPC/EAN,Code1 28, GS1-1 28, Code 39,Code 93,Interleaved 2of 5,Codabar, etc. 2D: PDF417, MicroPDF417, Data Matrix, QR Code, MicroQR etc (according to different software versions)
WORKING TEMPERATURE	°C0 to 50
LIGHTING LIGHT	White standard light source
FRAME RATE	60 fps
Recognition accuracy	1D code :3 m il 2D m il :4
Function 2	Geographic location information collection
Location	AGPS GPS+GLONASS+BeiDou+Galileo,QZSS, support
Work model	GPS main positioning, Beidou, GLONASS、 Galileo auxiliary positioning
Frequency	GPS: L1(1.575 GHz); Beidou: B1(1.561 GHz); GLONASS: L1(1.602 GHZ)

Precision	5-10 m
Function 3	Image Acquisition of Front Camera
pixels	2 million
Photo function	Fixed focus
Function 4	Image acquisition of rear camera
pixels	8 million
Photo function	Auto Focus
Flash flash	Photo mode flash
Function 5	RFID (HF)
Readable labels	Supports ISO15693、ISO14443A/B(without encryption protocols), ISO14443A tags with encryption protocols (Mifare one S50,S70 and their compatible cards);
Working frequency	HF band 13.56 MHz
Read distance	Read distance 0~6 cm (ISO 15693),0-4cm (ISO 14443A/B (label-related)
Function 6	Fingerprint capture (customizable)
Fingerprint collection	508DPI,256*360pix, support fingerprint collection, second generation fingerprint module

III.Athena® Pad Air-(Win) Tablet Wireless Data Communication

Function Parameters

Function 1	Wireless LAN WIFI
Agreement	WIFI 6,IEEE 802.11a/b/g/n/ac/ax (2.4G/5G dual-frequency WIFI)2X2MIMO
Frequency range	The 2.4 GHz is usually 2.412 GHz-2.472GHz;5GHz 5.170 GHz-5.835GHz depending on the country or region
Working channel	CH1~CH13,CH34-CH64,CH100~144, CH149CH1~CH13,CH34-CH64,CH100~CH165
Security	OPEN 、 WEP 、 WPA2-PSK (TKIP +AES), EAP-TLS, EAP-TTLS/MS-CHAPv2, PEAPv0-MSCHAPv2, AES, etc. Intel vPro Technology、 Intel Active Management Technology
Transmission distance	2.4 G greater than 250 m ,5 G greater than 200 m (industrial AP, open area)
Data rate	a: 6,9,12,18,24,36,48,54Mbps 802.11 b: 1,2,5.5,11Mbps 802.11

	g: 6,9,12,18,24,36,48,54Mbps 802.11 802.11 n: 6.5,13,19.5,26,39,52,58.5,65Mbps (20 MHz, Long GI ,800 ns) 802.11 n: 7.2,14.4,21.7,28.9,43.3,57.8,65,72.2Mbps (20 MHz, short GI ,400 ns) ac: 20MHz/40MHz/80MHz/160MHz MCS0~MCS9 802.11 ax: 20MHz/40MHz/80MHz/160MHz MCS0~MCS11 802.11
Function 2	Wireless WAN
Frequency	WCDMA: B1/B8 CDMA: BC0 TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B8
Communication rate	LTE-FDD maximum down 150 M, up 50 M LTE-TDD down 130 M, up 35 M
Function 3	Wireless LAN Bluetooth
Standards	Bluetooth 5.0(dual mode, support BLE)
Distance	More than 20 m (industrial Bluetooth adapter)

IV.Athena® Pad Air-(Win) Third Party Application Development Support

System software	Windows 10
System programming environment	Visual Studio

V.Athena® Pad Air-(Win) Accessories

Standard fittings	Power adapter ×1, dual TYPEC data line ×1, hand strap ×1
Accessories	Single Multi-function Seat Charger, Silicone Protective Cover and Toughened Film

Picture:

