



**AGX 870 HF  
Smart RFID PDA**

**Product Description**

**Main Features**

Industrial lightweight and rugged PDA  
 Compact size  
 Powerfull CPU (Marvel)  
 Multiple wireless options Wifi, GSM/HSDPA or CDMA  
 3,5" Touch Display with backlight

Integrated 1D/2D for maximum barcode reading  
 1,3 MPixel Fix focus camera (optinal)  
 GPS receiver with integrated antenna (optinal)  
 RFID HF (13,56MHz) or UHF (866-954MHz) Reader optional  
 WIN CE 5.0 Standard / WIN CE 6.0 optional

**Product pictures**



<b>Article no:</b>	UHF 866 - 956MHz	<b>AGX 870 UHF</b>
	HF 13,56MHz	<b>AGX 870 HF</b>

**Typical Applications**

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| <ul style="list-style-type: none"> <li>•Manufacturing</li> <li>•Security</li> <li>•Waste management</li> <li>•Logistics</li> </ul> | <ul style="list-style-type: none"> <li>•Health Care</li> <li>•Asset management</li> <li>•Food</li> <li>•Transportation</li> </ul> | <ul style="list-style-type: none"> <li>•Service Maintenance &amp; Diagnostics</li> <li>•Automotive</li> <li>•Retail &amp; POS</li> <li>•Home Automation</li> </ul> |
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Technical Specifications		AGX 870 RFID
<b>Platform</b>		
CPU	Marvell® PXA270 520 MHz processor	
Operating System	Microsoft® Windows CE 5.0 Standard / WIN CE 6.0 optional	
<b>Performance Characteristics</b>		
Memory	128MB RAM / 256MB ROM	
Expansion Slot	microSD card and SIM card	
Development Environment	ATID SDK	
<b>Physical Characteristics</b>		
Dimensions	146 mm x 74 mm x 26 mm (34 mm) / 5.7 in x 2.9 in x 1.0 in (1.3 in)	
Weight	Standard 280g + UHF reader 160g	
Keyboard	Alpha-numeric 22-key, Trigger 2-key and volume 2-key	
Display	3.5" QVGA with backlight, TFT-LCD, 256K colors, 240 W x 320 L (QVGA size)	
Power	Lithium Polymer 3.7V 3000 mAh 150 mAh back up battery 4,400mAh extension battery with optional gun handle	
<b>Scanning &amp; Communications</b>		
Barcode reader	1D / 2D	
Camera	1.3M pixel camera with LED flash	
Communications	USB host & client / RS-232 via cradle	
<b>Wireless</b>		
WLAN	802.11b/g (Supports CCX Version 3)	
Data Rate	802.11b up to 11Mbps, 802.11g up to 54Mbps	
Security	EAP-FAST, EAP-TLS, LEAP, PEAP-GTC, PEAP-MSCHAPv2, AES(WPA2), TKIP(WPA), WEP	
WPAN	Bluetooth version 2.0 Class II	
WWAN	CDMA 2000 1X/EVDO GSM/GPRS HSDPA	
GPS	SiRF 3 module with integrated antenna	
<b>RFID</b>		
HF	<b>13.56MHz</b>	
Supported Tags	<ul style="list-style-type: none"> <li>* ISO14443 * ISO/IEC 14443 Type A/B</li> <li>* Mifare: MIFARE® Standard(1K, 4K), MIFARE® Ultralight</li> <li>* ISO15693 Standards               <ul style="list-style-type: none"> <li>- I-CODE1, I-CODE SLI, I-CODE SLII (Philips)</li> <li>- Tag-it HF-I*, Tag-it HF-I Light S* (TI)</li> <li>- my-d (Infineon)</li> <li>- MB89R118</li> </ul> </li> </ul>	
<b>Accessories</b>		
Cradle	Single slot cradle / 4 slot cradle option Vehicle cradle	
Gun handle	Pistol grip handle with optional 4,400mAh battery	
Others	Leather case, Sync cable, Hand strap, Stylus pen, Adaptor, Screen protector, etc.	
<b>Environment</b>		
Operating Temperature	-20°C to 50°C	
Storage Temperature	-30°C to 60°C	
Humidity	95% non-condensing	
Drop	Multiple drops from 1.5m to concrete	
Rain & Dust protection	IP65	
Approvals	CE	

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<b>Technical Specifications</b>	<b>AGX 870 RFID Desktop Cradle</b>
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**I/O Ports**  
 - 1 x USB 2.0 / RS-232  
 - 1 x Sync. connector  
 - 1 x LAN 10/100 base-T port  
 - 1 x power connector

**Indication LED**  
 - Power LED

**Certifications**  
 - CE approval



<b>Technical Specifications</b>	<b>AGX 870 RFID Car Cradle</b>
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**I/O Ports**  
 - 1 x USB 2.0 / RS-232  
 - 1 x Sync. connector  
 - 1 x power connector  
 - 1 x GPS connector

**Indication LED & Switches**  
 - Power LED

**Certifications**  
 - CE approval



<b>Article no:</b>	AGX 870 Car Cradle	<b>AGX 870CCR</b>
	AGX 870 1 slot Desktop Cradle	<b>AGX 870DCR01</b>
	AGX 870 4 slot Desktop Cradle	<b>AGX 870DCR04</b>

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