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NQuire Tough Tab 8 Product Guide



Windows Pro

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Why Newland for Business?

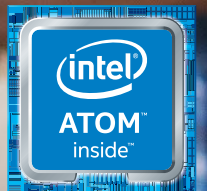
With a diverse new business environment demanding more from our IT solutions, the need to stay in touch with this fast-paced evolution is becoming increasingly important. Businesses can no longer afford to be left behind, with established competitors being joined regularly by new start-ups, where business strategies demand fast deployment, support relationships and devices that empower employees to drive your business forward.

The Newland tablets are perfectly positioned to help businesses take strides towards upgrading their systems by offering affordable hardware, innovative features and a variety of operating systems. This winning combination provides businesses with a viable option which is budget-friendly whilst helping to maximise your potential ROI.

Alongside our strong relationships with external partners, it is our B2B experience that brings confidence when using Newland as a partner for your business solutions. We understand that all businesses are different, and, as a result, need to be able to have devices that can integrate into existing systems with wide levels of customization.

Introducing the NQuire Tough Tab 8.

The NQuire Tough Tab 8 is the latest Newland product that reinforces our core values of creating products which combine ease of use, flexibility and market-leading innovation at a price that can work with almost any budget.



NQuire Tough Tab 8. Built to resist. No matter what.

Designed to be used in a variety of extreme environments, the NQuire Tough Tab 8 is the perfect tablet to withstand everything that your business can throw at it.

Powered by a 64-bit Quad-Core Intel® processor and Windows 8.1 Pro (with free Windows 10 Pro upgrade), the Tough Tab 8 brings seamless integration into your business systems whilst remaining a viable budget-conscious solution. The tablet has been designed specifically to enhance the efficiency of your business workforce and mobilise your teams ready to keep in touch with the ever-evolving landscape that modern businesses now operate in.

The NQuire Tough Tab 8 sets the standard for business ready tough tablets with its 8" multi-touch display crafted from Corning® Gorilla® Glass to provide best-in-class screen protection for every environment. The IP-67 rated tablet can withstand submersion in water, dusty environments and has been rigorously drop-tested onto both Steel and Cement floors for complete peace-of-mind.

With an ever-growing list of accessory partners, our B2B ecosystem provides you with a simple one-stop solution where we will work alongside your business to tailor systems for your needs.

Built-in stylus.



A discreet built-in capacitive stylus provides precision navigation and is designed to aid the function of any workforce.

Rigorous protection standards.



Rigorously designed and drop tested to IEC-60068232 standards at 1.2M, the NQuire Tough Tab 8 is protected from accidental bumps with reinforced edge and corner protection.

Connectivity ensured.



Always keep connected wherever your team is based with Bluetooth 4.0, 3G ready SIM slot and Wi-Fi 802.11 b/g/n connectivity. GPS tracking lets your team use location-based apps for increased accuracy and security wherever they are.

Scanning solutions.



Fully integrated barcode or wireless RFID scanning solutions can be tailored for your business needs. Offering a flexibility to your business when upgrading your IT systems.

IP-67 certified.



IP67 certification ensures that the device is totally protected against dust and can withstand immersion into liquids up to a depth of 1 metre for 30 minutes and still remain functional.

Tailored end-to-end solutions.

In business, we know that sometimes an ‘off-the-peg’ solution isn’t the perfect fit for the destination environment. Our tablets and B2B support means that we can scale to work with almost any opportunity and can offer a range of customization options at production-level that will keep your business moving and employees ‘in-the-loop’ at all times.

Integrated barcode scanner.

With built-in barcode scanning, look to the NQuire Tough Tab 8 as the perfect solution for your business. Work faster, more efficiently and more effectively.

Using the scan button on the side or front of the tablet will enable users to operate the scanner that is positioned on top of the device.

How barcode scanning can help your business.

- Limited training time**
Taking only minutes to master, the scanning function on the NQuire Tough Tab 8 helps to reduce training time as employees don’t have to gain familiarity with an entire inventory or pricing procedure.
- Easy implementation**
Barcodes are a cost effective means of communicating information, inexpensive to design and print, and because barcodes can be attached to just about any surface, they can be used to track not only the products themselves but also outgoing shipments and even equipment using the NQuire Tough Tab 8 scanner to scan for data capture.
- Inventory Control**
Using the NQuire Tough Tab 8, scanning barcodes can help your business to keep track of inventory reducing the time spent searching for it, and can allow users to set up alerts for items that are out of stock, so orders can be filled promptly. Inventory levels can be reduced, resulting in lower overheads.

Integrated RFID.

With the addition of RFID (Radio-frequency identification) into your business workflow, the NQuire Tough Tab 8 becomes an indispensable team member, tracking and reading RFID Tags with pin-point accuracy and seamlessly integrating into your business environment to improve productivity and stock control.

The main advantage of RFID is that no human intervention is required and information can be transmitted wirelessly in Real-time. It works typically when the built-in RFID Reader reads an RFID Tag it then passes that Tag ID, Reader ID and Time Stamp data back to the NQuire Tough Tab 8.

By knowing which Readers are in which location, your company can know where a product is as well as what it is and because of the Time Stamp they can know everywhere it has been.

How RFID can help your business.

- Asset Management**
Asset tracking is one of the more common uses of RFID and with the NQuire Tough Tab 8 you can put RFID Tags on your assets and track those items that are underutilised, lost or stolen.
- Manufacturing**
Using the NQuire Tough Tab 8 you can track parts and monitor work in process to reduce defects and reduce lead times, increase product output and manage production for you and your business more effectively.

- Supply Chain Management**
RFID can be used in the Supply Chain to automate processes, increase throughput, track shipments, reduce shipping errors and cut labour costs.
- Retail**
Making sure a product is on-shelf when a customer wants to buy it is essential. The NQuire Tough Tab 8 can help you to reduce your out-of-stocks, and using the tablet display, market more products to customers while they shop.
- Payment Systems**
One of the most popular and convenient uses of RFID is contactless payment, already implemented in familiar applications like contactless debit and credit cards, motorway tolls, bus and train station turnstiles and quick service restaurants, the NQuire Tough Tab 8 becomes a mobile payment station, simplifying and speeding up the checkout process for your customers.
- Security and Access Control**
RFID has long been used as an electronic key to access control for such things like machine operation and to gain access to and from office buildings. It is convenient and because there is no contact between the card and reader, there is less wear and tear, and, therefore, less maintenance.

RFID Specifications.

Delivering a small form factor for an embedded UHF RFID module the Nano embedded RFID module has low power consumption, with a wide Radio Frequency power output range of (0 dBm to +27 dBm).

RFID Specification Table		
Physical	Dimensions	22 mm × 26 mm × 3.0 mm H (HWD)
Tag / Transponder Protocols	RFID Protocol Support	EPCglobal Gen 2 (ISO 18000-6C)
RF Interface	Antennas	Single 50 Ohm connection (board-edge)
	RF Power Output:	Separate read and write levels Command-adjustable from 0 dBm to 27 dBm in 0.5 dB steps
	Regulatory Pre-configured for the following regions	<ul style="list-style-type: none">FCC (NA, SA) 915-928 MHzETSI (EU, India) 865.6-867.6 MHzTRAI 865-867 MHz (India)KCC (Korea) 917.1-920.8 MHzJapan 916.8 – 923.4 MHzACMA (Australia) 920-926 MHzSRRC-MII (P.R.China) 920-925 MHz‘Open’ (Customizable channel plan; 865-870 MHz and 915-928 MHz)
Data/Control Interface	Physical	41 board-edge connections providing access to RF, DC power, communication, and GPIO signals
	Control/Data Interfaces	<ul style="list-style-type: none">UART; 3.3V logic levels; 9.6 to 921.6 kbpsShutdown controls
	GPIO Sensors and Indicators	Four 3.3V bidirectional ports configurable as input (sensor) ports or output (indicator) ports
	API support	C#/NET, Java, and Embedded "C" APIs
Power	DC Power Required	<ul style="list-style-type: none">DC Voltage: 3.3 to 5.25 V for +25 dBm out 3.7 to 5.25 V for +27 dBm outDC power consumption when reading: 3.2 W @ 5 VDC for +27 dBm out 2.9 W @ 5 VDC for +25 dBm out 1.5 W @ 5 VDC for 0 dBm out
	Idle Power Consumption	<ul style="list-style-type: none">0.84 W in ready mode0.015 W in sleep mode0.00025 W in shutdown mode
Environment	Certification:	<ul style="list-style-type: none">FCC 47 CFR Ch. 1 Part 15Industry Canada RSS-21 0ETSI EN 302 208 v1.4.1
	Operating Temp	-20C to +60C (case temperature)
	Storage Temp	-40C to +85C
Performance	Boot time	Less than 0.2 sec
	Read/Write Performance:	<ul style="list-style-type: none">Up to 150-tags/sec reading EPCUp to 20 tags/sec writing 96-bit EPC

Easy-hold hand strap.

The NQuire Tough Tab 8 Easy-hold hand strap has a specially installed back plate that securely screws into the tablet. With a 360-degree rotation, users can position their tablet in either vertical or horizontal orientation for ease of use.

Constructed from a mix of nylon and neoprene the hand strap material is designed for prolonged use, adding durability and comfort with a simple velcro fastening for adjustability.

Each NQuire Tough Tab 8 with Hand Strap SKU comes equipped with a removable backplate. If required you can unscrew the screws located in the four corners of the backplate using the screwdriver provided and replace with the normal backplate also supplied for an alternative slimline design.

Hotkey shortcuts.

The NQuire Tough Tab 8 multi-touch capacitive display can come equipped with additional pre-programmed touch points which can be assigned for your businesses most commonly used applications and features.

The hotkey shortcuts reduce the amount of fatigue from repeatedly pushing physical buttons whilst also increasingly your tablets longevity within your business by reducing the potential of mechanical failure from an increased number of button presses.

Other internal component customisation.

With a dedicated Supply Chain team based in Asia, we are perfectly positioned to manage the manufacturing process at production-level. This level of detail allows us to work closely with our business partners to offer high levels of customization for your products and create solutions that are truly fit-for-purpose and on-budget.

Tailoring internal components will allow your business to integrate devices seamlessly within your systems, with changes to specifications including Wi-Fi modules, camera resolution or memory (RAM) potentially impacting how successful the implementation of systems can be.

It isn't just the addition of components that can be tailored, we can also remove or reduce certain specifications to try and work to your budget and allow you to modernise your business without spiralling investment costs.

Software customisation.

Hardware customization is only one piece of the puzzle when introducing new systems into your business and software usage can be as much of a defining factor as internal specifications.

For a complete out-of-the-box solution, our team of Software Engineers can help to customise your Windows API to pre-load specific apps and settings which our manufacturing team can install during production.

This process can exponentially speed up integration, helping to minimise the amount of work your IT department requires when setting up the tablet within your existing IT framework.



Tested to the highest standards.

The NQuire Tough Tab 8 has been designed to withstand the heavy-duty demands of a modern business and our testing standards ensure that high quality levels are met throughout the manufacturing process.

We test and streamline our processes starting at the component procurement stage to ensure that the same standards are met across all suppliers and for every detail that goes into our products.

Reliability tests.

- High and Low Temperature Tests (Operating/Storage)
- Burn-in Test
- ORT Sampling/Batch

Product certification tests.

- CE EMC
- CE LVD
- RoHS
- Battery (EN62133/UN38.3-2006/66/EC)
- Power Supply Adaptor (BS1363)

Quality control standards.

- Inspection Standard: MIL-STD-105E
- AQL: CR=0, MA (F)=0, MA(C)=0.65, MI(C)=1.5.
- First Article Inspection
- In-line Process Validation
- Out of Box and Shipment Audits

Specific standards.

- IP-67 • Entirely dustproof (with all slots closed)
 - Withstands and remains operable after submersion in water up to a depth of 1M for 30 minutes
- Drop tests • Tested to IEC-60068232 standards up to a height of 1.2M • Dropped on 6 Faces and 4 Corners for 2 Cycles onto cement or steel floors
































Audits.

Independent audits are carried out across all of our suppliers to ensure that our business partners are protected with ethical compliance at every stage.

Market comparison.

The tough tablet market has a large number of devices available for businesses to invest into and choosing the right product can be influenced by a number of varying factors. The NQuire Tough Tab 8 brings premium features, IP67 certification, Windows Pro and multiple specification options whilst still being a budget-friendly option to help your business maximise it's ROI.



	NQuire Tough Tab 8	Panasonic Toughpad FZ-M1	Motorola ET1	Samsung Galaxy Tab Active	HP Pro Tablet 608 G1
Size (HWD)	235 x 147 x 22mm	132 x 203 x 18mm	130.5 x 224 x 25mm	213.1 x 126.2 x 9.7mm	207 x 137 x 8.35 mm
OS	Windows	Windows	Android	Android	Windows
RFID	 Optional				
Barcode Scanner					
Hand Strap					
Stylus					
Landscape/Portrait Orientation					
IP67 Rated		IP65	IP54		
Camera	5MP	5MP	8MP	3.15MP	8MP
Hotkeys					
Display	8"	7"	7"	8"	7.9"

 Windows Pro

Scanning
made Simple



Perfect for Business, Education and more.



Windows Pro for business.

Your business operates in a diverse new world of traditional IT, cloud services and mobile devices. Windows Pro brings a wealth of features to help your business stay ahead by bringing together powerful productivity apps, ways to ensure that your employees can reach the resources that they need and security & MDM essentials that provide the perfect platform to accelerate your business growth securely.



Your partner in productivity.

- There is no better productivity partner than Windows. Whether in the office or working remotely, your employees can rely on Windows to help them stay productive.
- Windows is the ideal platform to run the apps that you have developed for your business, whether for your own customers, employees and partners or to sell to a wider audience in the Windows Store.
 - Legacy desktop software isn't an issue on Windows as critical Windows 7 applications can be implemented without the worry of compatibility issues.
 - To your mobile workforce, access is just as important as apps. Windows has powerful features and options to give mobile workers seamless connectivity to business resources from their NQuire Tough Tab 8, whilst still allowing you IT department to maintain necessary controls.
 - Via Workplace Join, employees can also have their personal devices access company resources without full domain join processes.

- Work Folders let employees keep their work-related files in a local folder on their personal device which syncs automatically with their folder at work.
- Portal options allow your IT department to provide access to employees where they can access apps and services using their personal devices.
- For people who need complete access to their corporate network, Windows Pro offers built-in VPN clients by Microsoft and other leading vendors, with no need to install a client before getting access. With auto-triggered VPN capabilities, people are automatically prompted for credentials to connect as soon as they need access to an internal app or URL.

Customised for your business.

- Every business is unique, and Windows Pro provides the customization options that the way that your business and your employees work.
- The Start screen is the most visible part of Windows and an ideal location for displaying apps, services and sites which are specific to your business.
 - Live Tiles can be customised to show business-specific updates in real-time to keep your employees up-to-speed wherever they are with information such as stock prices or sales orders.
 - Specific workgroups can have devices tailored to their needs and have Windows bootup into applications directly and avoid the Start screen entirely.
 - In a kiosk or retail floor scenario, Assigned Access lets you lock devices into single apps to give extra control and security along with a tailored user experience.

Security and authentication.

- In a world where cloud, mobility, and bring-your-own-device factors make security more important than ever, Windows delivers enterprise-grade security with improved data protection, new authentication options, and features that make devices less susceptible to malware threats.
- If there is company data on a lost, stolen or user-owned device, Windows provides features for protecting that data against unauthorised access.
 - Remote business data removal provides an extra level of control over company data on mobile and tablet devices by allowing IT administrators to conduct a remote wipe. That's in addition to Device Encryption and for organizations with additional management and security needs, BitLocker protection can be added to devices running Windows Pro.
 - To increase protection against malware, Windows has a number of new features including an update to Internet Explorer that analyses site code before malicious code can be executed.
 - Windows Defender has been updated to include network behaviour monitoring for detecting suspicious app behaviour.

- Windows is also now protected by the power of the cloud with a cloud-based service that conducts remote malware checks which are capable of identifying highly sophisticated threats including those designed to avoid detection by Windows and anti-malware software.

Always ready for business.

- Windows devices and services are designed to stay in sync with your business, and that means taking care of the essentials so you're always focused and ready.
- Windows is known for protecting your technology investments by being uniquely compatible with a vast range of hardware and software.
 - IT infrastructure investments are protected by letting IT departments manage the personal devices people bring to work.
 - IT departments have more options for managing tablets and other device classes, including new support for third-party MDM products.

Windows Store for Business.

- The Windows Store for Business is the place where IT decision makers and administrators find, acquire, manage and distribute apps to Windows 10 devices.
- Businesses are able to create their own private sections within the Windows Store which houses their pre-selected or pre-approved apps. IT administrators can manage the inventory of apps in one place and then assign, reclaim or reassign licenses to different people within your business, as well as control updates.
- Along with thousands of Windows Store apps readily available for volume acquisition and distribution, your business can invite in-house or external developers to write and submit private line-of-business (LOB) apps and publish to your inventory ready for deployment.

Apps for business.

With more apps than ever available in the Windows Store, you can quickly and easily find the right apps to enable your business and employees to become more productive and work more efficiently. With the NQuire Tough Tab 8 and the Windows Store, it's now easier to work effectively on the move - ideal for mobile employees, whether travelling on the road or out with clients on a regular basis.



Recommended apps.



Office 365 for Business

Run your business more easily with Office 365. Get everything you need to get work done anytime, anywhere. Choose which Office 365 Plan is right for your business, applications include Word, Excel, PowerPoint, Outlook, Publisher, and OneNote. Office 365 Business also includes online versions of Office including Word, Excel, and PowerPoint, with file storage and sharing with 1 TB storage per user, business-class email, calendar, and contacts with a 50 GB inbox per user. Use Office 365 Professional's digital storytelling tools to create interactive reports, presentations, and more.



Zoho Invoice

Zoho Invoice is the best invoicing software for small businesses on the cloud. Zoho Invoice helps you create invoices and capture expenses on the go. Easily manage your expenses and categorize them by type. Create and maintain your business contacts, capturing all necessary details like currency, email, phone, billing address, etc. Maintain both products and services with predefined rates to save time from entering it whenever you create an invoice.



Maps+

Including HERE Drive, get offline and turn-by-turn voice-guided GPS navigation, 3D maps & 3D compass mode and explore what's around you in 3D. Get live traffic & incidents in real-time traffic conditions. Use Street Side view & see inside, tour cities in 360-degree panorama and see inside restaurants, museums and more. Place Search - find local results with useful info such as ratings, price, distance, opening hours. Voice Search & voice commands allow you to control the app vocally instead of typing. True offline maps, download maps for any regions and save on data costs or use them later when you're not connected to the internet.



Skype for Business

Skype for business lets you stay in touch and collaborate with colleagues from anywhere in the world. You can use Skype on whatever works best for you - on your phone, PC or tablet, and take online meetings, messaging, calls video and sharing with up to 250 people. Skype's integration with Office 365 migrates your contacts and company schedule from Outlook and has enterprise-grade security and management for all of your employees account.



Detailed specifications.



Detailed specifications		
Product Form	Primary Orientation	Portrait
	Dimensions	235 x 147 x 22mm
	Weight (including battery)	780g
LCD	LCD Type	IPS
	Screen Size	8"
	Screen Resolution / Aspect Ratio	800 x 1280 / 16:10
	DPI	189
	Luminance	380cd/m2 (typical)
	Contrast Ratio	Contrast 600:1 (minimum), 8001:1 (typical)
	Colours	16.7M
	Response Time	On: 20ms; Off: 30ms (maximum)
Touch Panel	Glass Material	Corning® Gorilla® Glass
	Bonding Type	G+G
	Touch Type	Capacitive
	Number of Touch Points	10

Detailed specifications		
Battery	Type	Li-Polymer
	Capacity	8,000 mAh
	Quantity	1
	Nominal Voltage	3.7V
	User Replaceable	No
	Minimum Use / Standby Time	5 - 7 hours use / Approx. 250 hours standby (Hibernation)
CPU	Manufacturer	Intel®
	Model	Atom™ Z3735F
	Type	64-Bit Quad-Core
	Frequency	1.33GHz up to 1.83GHz
GPU	Manufacturer	Intel®
	Model	HD Graphics Generation 7
	Open GL Version	Direct-X 11, Open GL 3.0 (OGL 3.0), Open CL (OCL 1.2) 1.2, Open GLES 2.0 (OGLES 2.0)
Audio Chipset	Manufacturer	Realtek
	Model	ALC5640
Multi-Media	Photo Viewer	JPG, JPEG, BMP, PNG
	Video Format	MPEG-2, MPEG-4, H.263, H.264
	Audio Format	WAV, MP2, MP3
Memory & Storage	RAM Type	DDR3L-RS 1333
	RAM Capacity	2GB
	RAM Manufacturer	Hynix / Micron / Elpida / Kingston / Samsung
	ROM (Flash) Type	eMMC
	ROM Capacity	32GB
	ROM Manufacturer	Toshiba / Samsung / Kingston / Sandisk / Hynix
Camera	Rear Camera Resolution	5MP
	Rear Camera Auto-Focus	Yes
Speaker	Specification	Ø20, 0.8W
	Quantity	2
Microphone	Built-in	Yes
Navigation	Built-in GPS	Yes
	Built-in GLONASS	Yes
2G	Band	Optional 850 / 900 / 1800 / 1900MHz
	GPRS	Class 12
	EDGE	Class 12

Detailed specifications		
3G	Module Type	Huawei MU739
	Band	900 / 2100 MHz
	Download Speed	21.6 Mbps
	Upload Speed	5.76 Mbps
Call functions	Support Voice Call	No
	Support SMS	No
Wi-Fi	Module	Wi-Fi 802.11 b/g/n
	Band	2.4GHz
	Cryptographic Algorithms	<ul style="list-style-type: none">WEP (40-bit / 64-bit / 128-bit)WPA (TKIP 128-bit)WPA2 (AES 128-bit)
	Maximum Range	up to 30M
	Wi-Fi Direct Support	Yes
	Wi-Fi Display (Miracast)	Yes
Headphone Jack	Type	3.5mm CTA
Sensors	G-Sensor	Yes
	Light Sensor	Yes
Bluetooth	Module	MLK047B-8723BS
	Version	4.0
	Cryptographic Algorithms	AES-CCM
	Maximum Range	up to 10M
SIM	Sim Card Slot Quantity	1
	Form-Factor	3FF
Memory Card	External Memory Card Class	Supports SDHC / SDXC
	Supported Capacity	up to 128GB
USB	Quantity	1 x Micro USB
	Data Transfer Port Type	Micro USB
	Data Transfer Rate	USB 2.0
Charging	Connector	DC
	Charging Time	Approx. 8 Hours from full discharge
Operating System	OS Version	Windows 8.1 Pro with free Windows 10 Pro Upgrade
Barcode Reader	Image Sensor	752 x 480 CMOS
	Illuminating LEDs	625mm
	Supported Symbolologies	<ul style="list-style-type: none">2D: PDF417, Data Matrix ECC200, ECC000/050/080/100/140, QRCode1D: Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey

Detailed specifications			
RFID Chipset	Physical	Dimensions	22 mm × 26 mm × 3.0 mm H (HWD)
	Tag / Transponder Protocols	RFID Protocol Support	EPCglobal Gen 2 (ISO 18000-6C)
	RF Interface	Antennas	Single 50 Ohm connection (board-edge)
		RF Power Output:	Separate read and write levels Command-adjustable from 0 dBm to 27 dBm in 0.5 dB steps
		Regulatory Pre-configured for the following regions	<ul style="list-style-type: none">FCC (NA, SA) 915-928 MHzETSI (EU, India) 865.6-867.6 MHzTRAI 865-867 MHz (India)KCC (Korea) 917.1-920.8 MHzJapan 916.8 – 923.4 MHzACMA (Australia) 920-926 MHzSRRC-MII (P.R.China) 920-925 MHz'Open' (Customizable channel plan; 865-870 MHz and 915-928 MHz)
	Data/Control Interface	Physical	41 board-edge connections providing access to RF, DC power, communication, and GPIO signals
		Control/Data Interfaces	<ul style="list-style-type: none">UART; 3.3V logic levels; 9.6 to 921.6 kbpsShutdown controls
		GPIO Sensors and Indicators	Four 3.3V bidirectional ports configurable as input (sensor) ports or output (indicator) ports
		API support	C#/.NET, Java, and Embedded “C” APIs
	Power	DC Power Required	<ul style="list-style-type: none">DC Voltage: 3.3 to 5.25 V for +25 dBm out 3.7 to 5.25 V for +27 dBm outDC power consumption when reading: 3.2 W @ 5 VDC for +27 dBm out 2.9 W @ 5 VDC for +25 dBm out 1.5 W @ 5 VDC for 0 dBm out
		Idle Power Consumption	<ul style="list-style-type: none">0.84 W in ready mode0.015 W in sleep mode0.00025 W in shutdown mode
	Environment	Certification:	<ul style="list-style-type: none">FCC 47 CFR Ch. 1 Part 15Industry Canada RSS-21 0ETSI EN 302 208 v1.4.1
		Operating Temp	-20C to +60C (case temperature)
		Storage Temp	-40C to +85C
	Performance	Boot time	Less than 0.2 sec
		Read/Write Performance:	<ul style="list-style-type: none">Up to 150-tags/sec reading EPCUp to 20 tags/sec writing 96-bit EPC



Core Specification		
Part Code	NQ800/NOBAR	
Device	Size (HWD)	235 x 147 x 22mm
	Weight	870g
Operating System	Windows 8.1 Pro with free Windows 10 Pro upgrade	
Display	Screen Size	8", 800 x 1280 pixels
Certification	IP67	<ul style="list-style-type: none"> Dustproof Waterproof up to 1M submersion for 30 mins
	Drop Test	Tested to IEC 60068232 standards up to 1.2M; 6 Faces, 4 Corners, 2 Cycles Onto cement or steel floor
Data	Wi-Fi	WiFi 802.11 b/g/n, 2.4 GHz
	Wi-Fi Features	Supports DLNA, Wi-Fi Direct, Wi-Fi hotspot
	3G	Micro SIM (3FF)
	Band	900 / 2100 MHz
CPU	Processor	1.33GHz up to 1.83GHz, 64-Bit Quad-Core
	Chip	Intel® Atom Z3735F
Memory	Internal	32GB ¹ 2GB DDR3L-RS 1333 (RAM)
	External	up to 128GB ² (supports SDHC/SDXC cards ³)
Multimedia	Rear Camera	5 MP with Auto-focus
	Video	HD (1280 x 720) @ 30FPS
Connectivity	<ul style="list-style-type: none"> Micro USB Micro SD 3.5mm Headphone Jack Pogo Pin Connector GPS / GLONASS Bluetooth 4.0 	
Sensors	Gravity Acceleration Sensor (G-Sensor)	
Battery	Type	8,000 mAh Lithium-polymer
	Usage	5 - 7 hours ⁴ 250 Hours Standby (Hibernation)
Device Features (Value Added)	<ul style="list-style-type: none"> Built-in stylus 	
Retail Box Contents	<ul style="list-style-type: none"> NQ800/HS 8" Windows Pro Tablet Power Supply Unit USB OTG Cable User Manual 	
Additional SKUs available	<ul style="list-style-type: none"> NQ800/HS Includes integrated barcode scanner NQ800/HSRFD Includes integrated barcode scanner Includes integrated RFID chipset 	