Newland AIDC
SCANNING MADE SIMPLE

Industrial Isolation
Rail-Mount
Multi Interfaces
Multi Power Supply Methods
RJ45 Ethernet (POE optional)
Multi Host Support
Host/ Webpage Configuration

EX232 Remora

Stationary Scanners

Features

Smart Connectivity.

The EX232 Remora allows any barcode scanner with an RS232 interface to gain Ethernet functionality. Scanners can connect to the EX232 Remora through an RS232 port, enabling them to share scanned data with the main server. The Remora is especially important as it facilitates connection to a host system and allows remote management and updates.

Powering Scanners.

The EX232 Remora enables Newland barcode scanners with an RS232 port to receive power. This feature benefits businesses by allowing them to continue using their scanners, which may not support newer interfaces like USB. This approach saves costs on hardware upgrades and ensures compatibility with existing systems. The RS232 port is recognized for its simplicity, robustness, and reliability, particularly in industrial or point-of-sale environments where wireless or USB connections may be less dependable.

Command and Scan in Sync.

The EX232 Remora enables two-way communication, allowing feedback to flow between the host and the scanner. The scanner transmits data to the system, while the system sends feedback commands or settings back to the scanner.

Compact Design, Seamless Integration.

The EX232 Remora features a rail-type case design allowing easy attachment to control panels or industrial enclosures, making installation, management, and maintenance more straightforward. Its small and compact size makes the Remora perfect for tight and crowded environments, such as kiosks or point-of-sale systems, where space is at a premium. The EX232 Remora is also discreet and less noticeable, making it an ideal choice for customer-facing areas.

Real-Time Feedback.

The EX232 Remora features three status lights on the front of the device. The first is a power light, indicating when the device is powered on. The second is a link light, which shows that the device has connected with the host and applications. Lastly, there is an active light that flickers whenever the connected scanner is scanning a barcode or the host is sending data to the scanner. These status lights provide users with a clear indication of the device's activity.

Easy Configuration.

The EX232 Remora can be easily configured using the EX232 Remora Configurator or a Web browser. This Remora Configurator allows you to set up the Remora, diagnose the converter and connected scanner, and view all the Remora devices connected in your network.

Suggested industries

Hospitality
Events
Entertainment
Manufacturing
Industrial

EX232 Remora Technical specifications

Product	
Product Type	Serial server
Basic Function	Bi-directional transparent data transmission between RS232/485/422 and Ethernet
Physical	
Dimensions (mm)	88.7(L) × 72.5(W) × 24.2(H) mm
Interfaces	Onboard Isolated RS232/485/422 interfaces
Isolation Protection	Power isolation, signal isolation
Power over Ethernet	Port or screw terminal
Power Supply	6 ~ 31V DC; outer diameter: 5.5mm, inner diameter: 2.1mm
Environmental	
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Humidity	5% to 95% (non-condensing)
Communication	
Ethernet	PoE network port, IEEE 802.3af standard. 10/100M auto-negotiation RJ45 connector, 2 KV surge protection
Communication Interface	1 x RS232 port; 1 x RS485 port; 1 x RS422 port; 1 x Ethernet port
Communication Interface	Newland RS232 scanners: Powered via Pin 9 on DB9 connector. No additional need for an external scanner power supply. Baud : 300 ~ 115200 bps; Data bits : 5 ~ 9 bits; Flow control N/A
Accessories	
Optional	Power Supply 12V/3A, 100-240V
Software	
Software Protocols	ETHERNET, IP, TCP, UDP, HTTP, ARP, ICMP, DHCP, DNS. Web browser, device management Windows tool

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Specifications are subject to change without notice

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