

FM3281 Grouper

Stationary Scanners

Features

A True Outdoor Solution

An IP67-rated seal renders the FM3281 Grouper impervious to dust, water, and other contaminants. The high sealing ensures that transitioning from cold to hot temperatures won't cause condensation that prevents reading the barcodes. With minimized glare and reflection, the FM3281 Grouper is the best choice for reading codes even in the brightest sun conditions, making it the ultimate fixed-mount reader for outdoor applications.

24/7 Feedback

The FM3281 Grouper can provide ongoing status updates to the host, ensuring solution providers with remote applications can guarantee the scanner's operational status and receive timely alerts regarding any potential issues before customers attempt to use it.

Advanced Barcode and OCR Reading

Armed with Newland's sixth-generation technology, the FM3281 Grouper excels at reading onscreen barcodes containing large amounts of data. With its Megapixel technology, this fixed-mount scanner is also perfect for OCR reading applications like ID cards.

IR & Light Triggers for Precise Data Capture

By combining IR and light sensors, the FM3281 Grouper achieves higher sensitivity to activate the scanner to capture barcodes as they are presented. This leads to higher throughput and productivity. The infrared sensor is particularly useful for remote applications with low ambient light conditions, enabling the scanner to read the code even if there are no discernible changes in light.

Full NFC Functionality

The FM3281 Grouper combines excellent barcode and OCR scanning capabilities with full NFC functionality. This versatile scanner supports both contactless RFID cards and barcodes and, when authorized, can potentially be used in payment solutions.

Extra Protocols for Additional Applications

The FM3281 Grouper offers additional communication protocols, including Wiegand and RS485. Wiegand is most suitable for secure access control solutions, while RS485 is an ideal choice for longer cabling or when multiple devices run in parallel over a wider area, as is often the case in industrial settings.

Suggested industries



Retail



Logistics



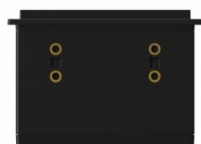
Hospitality



Entertainment



Healthcare



FM3281 Grouper Technical specifications

Data Capture

| | |
|---------------------------------|---|
| 1D | All major 1D symbologies |
| 2D | All major 2D symbologies |
| OCR | Passport OCR, ID Cards, Travel Permit OCR |
| Image Sensor | 1280*1088 CMOS |
| Illumination | 3000K white LED |
| Resolution | ≥3mil |
| Depth of Field EAN 13 (13mil) | 0-290mm |
| Depth of Field Code 39 (20mil) | 15-310mm |
| Depth of Field Code 128 (10mil) | 0-280mm |
| Depth of Field QR (20mil) | 0-270mm |
| Scan Angle/Field of View | Roll: 360°, Pitch: ±60°, Skew: ±60°; Horizontal 58.2°, Vertical 66° |
| Minimal Print Contrast | 25% |

Physical

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|---------------------------------|--|
| Current @5VDC Operating/Standby | NFC version: 220mA/175mA; Non-NFC version: 172mA/118mA |
| Dimensions (mm) | 78.7(W)×47.7(D)×67.7(H)mm (max.) |
| Input Voltage | 5-24VDC±5% |
| Interfaces | RS-232, USB. Optional: RS-485, Wiegand |
| Notifications | Beeper, multi-colored LED indicator |

Wireless

| | |
|--------------------------|---|
| NFC: Reading Distance | 0-30mm |
| NFC: Supported Functions | Supports reading card number and card type, reading and writing sectors, file operations, key operations, contactless CPU card operation (ISO14443 Type A) and APDU. |
| NFC: Supported Cards | ID card, NFC-equipped phone, Mifare one (M1), S50, S70, Mifare plus, Mifare plus Evx, Mifare Ultralight/C/EV1, Mifare Desfire, CPU card, NTAG2x series, NTAG42x series, ICODE 2, Type B card, Felica card |

Environmental

| | |
|--------------------------------|--|
| Operating Temperature | -20°C to 60°C (-4°F to 140°F) |
| Storage Temperature | -40°C to 85°C (-40°F to 185°F) |
| Humidity | 5% to 95% (non-condensing) |
| Electro Static Discharge (ESD) | ±15 kV (air discharge), ±8 kV (direct discharge) |
| IP Rating | IP67 |

Software

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|---------------------|---------|
| Configuration Tools | EasySet |
|---------------------|---------|

Certifications

| | |
|----------|--|
| Hardware | FCC Part15 Class B, CE EMC Class B, RoHS |
|----------|--|

Newland AIDC EMEA

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Feel free to contact us or a partner near you

visit newland-id.com

Specifications are subject to change without notice

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FM3281 Grouper Technical specifications

| Warranty | |
|----------|---------|
| Standard | 5 years |