

EXIO®

The complete solution for reading and processing codes from mobile phone displays.



EXIO®

Specifications*

Code types	2d: Data Matrix ECC 200 (QR-code on request) 1d: UCC/EAN (UCP-A/E, EAN-8/13, JAN), (various other codes on request)
Code dimensions	Symbol size 3 mm – 25 mm, minimum cell size: 0.25 mm
Reading direction	Omni-directional
Reading rate	Up to 30 readings per second
Auto-compensation	Display aspect ratio, reflectance from display flexion, display size, color and resolution.
Interfaces	RS232 for data connection • Keyboard wedge • Ethernet GSM for online connection to database (GPRS)
Digital outputs	2 opto-galvanic decoupled lines
Service interface	RS232, external configuration and firmware update (2.4 – 115.2 Kbaud)
Physical characteristics	Dimensions: 213.26 mm (L) x 264.80 mm (W) x 199.44 mm (H); Weight: approx. 5 kg Housing: SB/HK (Polystyrol)
Environmental	Operating temperatures: 5° C – 40° C (40° F – 104° F); Humidity: 5% – 90%, non-condensing
Electrical requirements	85 – 265 V AC, max. 0.9 A

Components

Specifications*

Code reader	High-speed DSP processor, GaviLum™ lighting technology
GSM Module	Dual band (E)GSM 900 and GSM 1800 (Triband on request) • GPRS • Built-in antenna
Printer	Built-in printer with graphics and barcode printing features
Display	2 x 16 characters • Built-in-backlight
Keypad	16 common keys (0–9, #, *) • 4 keys for menu prompting including 2 keys for scrolling
Power supply	Standard power cord via appliance inlet (IEC-320 C6)

* Specifications subject to change without notice.

EXIO is an advanced and complete solution, including printer, display, keypad and GSM/GPRS module – designed for various direct marketing applications such as mobile ticketing, mobile couponing and advertising.

EXIO is able to read and process two-dimensional (2d) symbologies such as Data Matrix from mobile phone displays as well as printed one-dimensional (1d) barcodes. EXIO is therefore the ideal off-the-shelf solution for innovative application areas such as M-Commerce, 1-to-1-communication, entertainment and retail trade.



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Brief description

Thanks to a high-speed Digital Signal Processor (DSP) and a high-resolution camera, EXIO automatically recognizes 2d codes such as Data Matrix, sent as MMS (Multimedia Message Service), EMS (Enhanced Message Service) or Picture Message (Smart Message) to any compatible mobile phone.

Integrating printer, display and keypad, EXIO forms a complete solution for processing codes, printing vouchers and executing transactions. Moreover, the built-in GSM module enables EXIO to communicate with a database via GPRS.



EXIO gives you the power to:

- address your customers directly (one-to-one marketing approach)
- implement simple and inexpensive marketing programs – specific to the target audience
- reduce distribution costs as no printing and shipment are necessary
- acquire new customers and strengthen customer loyalty
- generate customer databases
- enhance company image and strengthen brand awareness

The technical highlights of EXIO:

- GSM modem, printer, display and keypad included
- Reading from any LCD-type display on PDAs and mobile phones (e.g. colour/b&w displays, with and w/o backlight, TFT, STN, OLED)
- Adjustment for any aspect ratio distortion caused by non-square display pixels
- GPRS communication
- XML-based host communication protocol
- Keyboard wedge, serial port, Ethernet