



## M4230

Spire's M4230 is a robust mobile terminal that offers GPRS connectivity in a compact design. Created to operate the same terminal application and user interface as the popular T4200 family, the M4200 series expands the range by adding full mobility. The M4230 incorporates a removable, extra long-life battery for extended use between charges.

- **Powerful.**  
32-bit ARM9 processor
- **Fast.** GSM/GPRS with multi-network SIM option
- **Adaptable.**  
Full multi-application capability
- **Easy-to-use and secure.**  
Integrated PCI PED approved PIN pad
- **Hard Working.** Extra long-life battery to meet the most demanding mobile environments
- **Complete.**  
In-car charger and other options for ease of use

# M4230

## SIMPLE, EASY-TO-USE FEATURES

- Thermal printer design with clear lid alerts to low paper conditions. The simple drop-in loading virtually eliminates paper jams and the large paper roll means more receipts between changes
- Large, easy-to-use, 19-key layout allows for easy key recognition. The Clear, Enter, Cancel and "5" keys provide tactile feedback for visually impaired customers
- Slim form factor makes it perfect for handover installations and merchants on the move
- Colour-coded port labels simplify service and support

## FAST, TIME-SAVING PERFORMANCE

- Graphics-capable thermal printer allows merchants to print logos and coupons directly at the point of service
- GSM/GPRS technology enables an always on connection for merchants to process transactions from anywhere, anytime
- The ARM9, 32-bit processor provides speed and functionality. It delivers four times the processing power and speed of an ARM 7 processor

## HIGH VALUE

- With 24MB standard memory, the M4230 easily handles software size increases due to regulatory requirements as well as the addition of value-added applications
- Every M4200 family model is PCI PED approved for PIN transactions
- The bright, white backlit display utilizes superior display technology to achieve a sharper image for maximum visibility
- Secure design meets the most stringent security regulations in the industry, including PCI PED. The M4230 architecture provides the ultimate protection against any unauthorized loading of applications and safeguards your investment.

**PROCESSOR** • 32-bit ARM9

**KEYPAD** • 19 buttons; PCI PED approved; water splash resistant  
• 6 navigation buttons  
• Disability markings

**DISPLAY** • FSTN LCD with graphics • 160 x 80 resolution  
• White LED, backlit

**CARD READER** • Magnetic stripe: Bi-directional, Tracks 1, 2, & 3  
• Chip card: EMV4.0 Level 1 & 2, ISO 7816

**COMMUNICATIONS** • Primary: GSM/GPRS  
• Ports: RS-232 for peripherals

**PRINTER** • Drop-in loading, thermal technology, 384 dots per line  
• 15+ lines per second  
• Paper roll: 50mm diameter

**MEMORY** • Total: 24MB  
• Flash: 8MB  
• SDRAM: 16MB  
• SRAM (non-volatile): 512K  
• SRAM Backup: 5-year battery

**POWER** • AC: 100-240V, 50/60 Hz • DC: 7.5V, 2.8A

**ENCRYPTION** • PCI PED approved  
• Triple DES: ANSI X9.52, PIN-ANSI X9.8, MAC-ANSI X9.9 Part 1-ANSI X9.24  
• Key Management: DUKPT, Triple DES  
• DUKPT and Triple DES master/session keys

**FOOTPRINT** • 91.95mm(w)x209.3mm(l)x65.79mm(h)  
• 0.60 kg

**ENVIRONMENT** • Temperature: 0-45°C  
• Humidity: Max 85%, non-condensing • ESD: 12,000 volts



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