



SONIK EXPERTISE



In PAGING We're the ONE

- **Emergency Messaging**
- **HealthCare**
- **Public Safety**
- **Private Paging**
 - **Wide Area**
 - **On-site**
- **High Reliability**
- **Legacy System Support**

For additional Information visit our Web site at www.SONIK.com or call us at 1.760.599-2800.

WIRELESS MESSAGING – PAGELINK 150/450/900 PAGING DATA RECEIVERS

The SONIK PageLink Series are high-performance paging data receiver boards which are ideal for providing remote control and one-way telemetry control utilizing either POCSAG or FLEX* paging formats. The units operate in the 150, 400 or 900 MHz frequency bands and are available as OEM boards with or without housing.

PAGELINK FLEX RECEIVERS

The SONIK PageLink (PL) FLEX receiver is a compact paging data receiver board based on proven pager technologies. The receivers are the ideal choice for remote control and one-way telemetry applications such as traffic signal control, irrigation control, remote signboard programming, and load control.



The PageLink FLEX receiver operates with 150, 450 or 900 MHz FLEX* paging infrastructure or on-premises paging equipment. The unit provides eight addressable high/low output lines as well as a serial output. The receivers are synthesized and operate in the 929-932 MHz or 135-175 MHz frequency range. The PL is also capable of receiving data for up to 16 programmable capcodes for flexible group and sub-group addressing and comes with either an on-board antenna or a connection for an external long-range antenna.



PAGELINK POCSAG RECEIVERS

The SONIK PageLink POCSAG receiver, is a high-performance VHF/UHF paging data receiver board that has over 100,000 units operating in field applications.

The PageLink POCSAG receiver operates with 150, 450 or 900 MHz POCSAG paging infrastructure or on-premises paging equipment. The unit provides eight addressable high/low output lines as well as a serial output. The receivers are synthesized and operate in the 929-932 MHz, 452- 468MHz, or 135-175 MHz frequency range. The PL is also capable of flexible group and sub-group addressing and comes with either an on-board antenna or a connection for an external long-range antenna.

FEATURES OF PAGELINK RECEIVERS

- Serial Interface (RS-232 or TTL)
- 8 discreet output control ports
- Uses existing nationwide or on-site paging infrastructure
- Building Block for wireless one-way telemetry and control applications
- Alphanumeric message reception
- Synthesized Receiver
- Multiple Addressing- programmable capcode addresses
- Over-the-air programming
- LED and digital signal out of range indicator
- Flow Control
- Wide Operating Temperature Range
- Low Cost, small size and weight

*FLEX is a registered trademark of the Motorola Corporation Inc



WIRELESS MESSAGING

PageLink

Specifications- FLEX receiver

Dimensions	50mm x 57mm x 15mm (L x W x H without housing)
Weight	20g
Input Voltage Range, selectable	3V~5V, 8V~15V
Current Drain (with 3V supply voltage)	Peak Receive, I/O at high impedance - 15 mA Receive off, I/O at high impedance - 4 mA Maximum Allowable B+ Current - 1 A
Operating Temperature	-10°C ~ +50°C
Wireless Receiver	<ul style="list-style-type: none"> ▪ Signal Protocol: FLEX ▪ Message Format: compliant with FLEX numeric and alphanumeric format ▪ Frequency Range: 929 ~ 932 MHz or 135 ~ 175 MHz
RF Characteristics	<p>929 ~ 932 MHz</p> <ul style="list-style-type: none"> ▪ Sensitivity: 13.5 μV/m ▪ Image Rejection: > 40 dB ▪ Inter-modulation Rejection: > 40 dB ▪ EIA Selectivity: > 50 dB ▪ Frequency Deviation: \pm4.8 kHz ▪ Frequency Stability: \pm 7.5 ppm <p>135 ~ 175 MHz</p> <ul style="list-style-type: none"> ▪ Sensitivity: 10 μV/m ▪ Image Rejection: >50 dB ▪ Inter-modulation Rejection: >50 dB ▪ EIA Selectivity: > 55 dB ▪ Frequency Deviation: \pm4.8 kHz ▪ Frequency Stability: \pm 7.5 ppm
Connector Inputs/Outputs	<ul style="list-style-type: none"> ▪ 2 DC Power Supply Inputs (+3~5V or +8~15V) ▪ RS232 or TTL Output ▪ Serial Port Baud Rates (Bps) 2400, 4800, 9600, 19200 ▪ 8 Customer Configurable Outputs (2 ports at 1A, 6 ports at 100mA)

ABOUT SONIK

SONIK is a global provider of innovative technology solutions that empower our customers to access their information or content anytime, anywhere. With over 20 years of technology management and industry expertise, we focus on providing clients with proven experience and management expertise in these business solutions:

- SYSTEMS INTEGRATION
- TRANSMITTERS
- BASE STATIONS
- PAGERS
- CUSTOM RF SOLUTIONS
- PUBLIC SAFETY
- HOMELAND SECURITY
- UTILITIES/ENERGY

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Specifications- POCSAG receiver

General	
Size	50mm x 57mm x 15mm (L x W x H, without housing)
Power supply requirements	3V~5V, 8V~15V
Weight	55 grams with housing; 20 grams without housing
RF Performance	
Frequency bands	135-175MHz, 452-468MHz, 929-932MHz
Frequency stability	+/- 2.5ppm standard
Channel spacing	25kHz
Image and Spurious Rejection	VHF/UHF is > 50dB; 900MHz is > 40dB
EIA Selectivity @ 25kHz	VHF/UHF is > 55dB; 900MHz is > 40dB
Intermodulation rejection	VHF/UHF is > 50dB; 900MHz is > 40dB
Operating Temp	VHF/UHF is -10 to +50C; 900MHz is -5 to +40C
User Interfaces	
Serial	RS-232, 2400, 4800, 9600, or 19,200 Bps
8 Customer Configurable Outputs	2 ports at 1A, 6 ports at 100mA
Programming	Via 20 pin male connector or available parallel programming kit w/4-pin pads
Antenna	Built-in loop or OSX or BNC female connector
Regulatory Approval	Compliant with FCC Part 15 regulations

Specifications subject to change without Notice