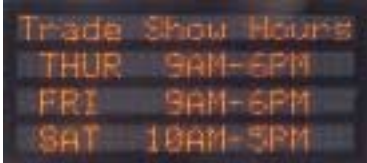




PAGELINK 900 PAGING DATA RECEIVERS

TYPICAL APPLICATIONS

Remotely Change Sign Displays



Street Lighting Control



Irrigation Control



Electrical Load Control



The Vytek PageLink is a high-performance paging data receiver board which is ideal for providing remote control and one-way telemetry utilizing either the existing 900 or 150 MHz FLEX* paging infrastructure or on-premises paging equipment.

The PageLink 900 unit provides eight addressable high/low output lines as well as a serial output. These 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.

These receivers are synthesized and operate in the 929-932 MHz or 135-175 MHz frequency range. The PL-900 is also capable of receiving data for up to 16 programmable capcodes for flexible group and sub-group addressing.

The PL-900 comes with either an on-board antenna or a connection for an external long-range antenna.

Features

- Serial Interface (RS-232 or TTL)
- 8 discreet output control ports
- Uses existing nationwide or on-site paging infrastructure
- High performance and reliability
- Building block for wireless one-way telemetry and control applications
- Numeric/alphanumeric message reception (Language transparent)
- Synthesized receiver allows you to program the receiver to operate on the necessary frequency
- Multiple Addressing - 16 programmable capcode addresses
- Message source ID control
- Message header control
- Message trailer control
- Over-the-air programming
- LED and digital signal out of range indicator
- Message alert (w/ ON/OFF control)
- Message error indication
- Message length indication
- Flow control
- Wide operating temperature range
- FLEX* protocol
- Low Cost

*FLEX is a registered trademark of the Motorola Corporation



VYTEK

PAGELINK 900 PAGING DATA RECEIVERS

WIRELESS

AVAILABLE OPTIONS

PL-900 Board Only
with On-Board Antenna



Model: PL-900

PL-900 with Case
and BNC Connector



Model: PL-900-H-BNC

PL-900 with Case
and OSX Connector



Model: PL-900-H-OSX

Not Shown:
PL-900 with Case and
On-Board Antenna

Specifications

Dimensions	50mm x 50mm x 10mm (L x W x H)
Weight	30g
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)

Evaluation Kit Available. The evaluation kit consists of Windows based programming software, programming cable, power supply, *test board, and PageLink 900.

*The test board provides a DB9 RS-232 connector interface to the serial port, has LED's to show the status of the 8 digital I/Os, has a DC regulator so that a power-cube can be used to power it, and provides jumpers to select other external DC power sources to drive the test PCB if necessary.

Evaluation Kit Part Number: PL-900-EVAL

For further information and pricing, please contact your Vytek representative.

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The PageLink 900 has been made available through a strategic partnership between

Vytek Wireless Products and **DAVISCOMMS**