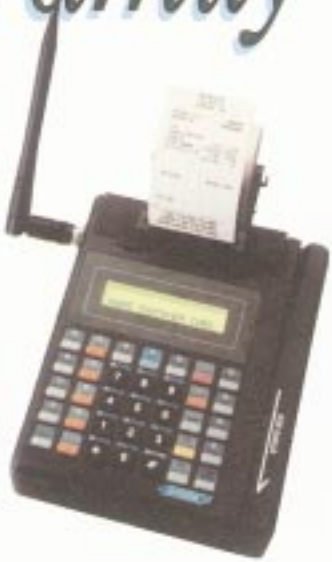
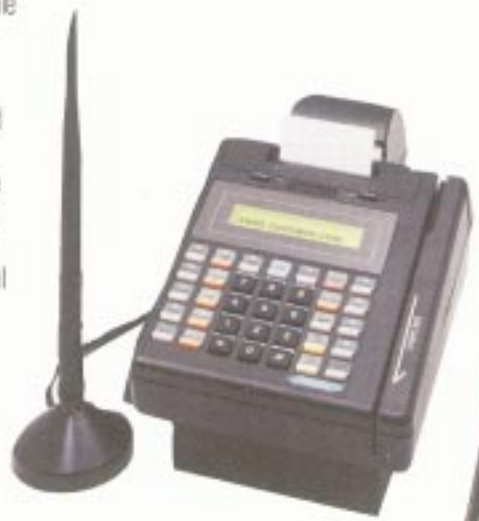
T7P Wireless Terminal Family

Each terminal delivers the features and benefits of our popular T7P while offering the convenience of wireless operation. In addition to wireless capabilities, the family includes an integrated printer and the ability to support credit, debit, check, draft capture, and proprietary card processing. A complete POS solution in a compact device is a key requirement for merchants in temporary locations such as special events, sport stadiums, and kiosks. Each Hypercom® wireless terminal offers 35 preprogrammed keys to allow single-stroke hot-key function activation. This feature simplifies terminal operation, saves you and your customer valuable time, and enhances the scope of your services.



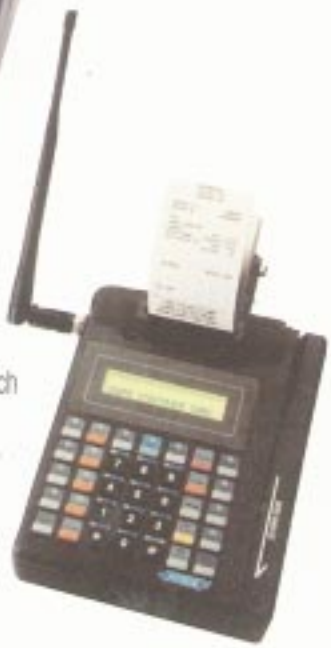


T7PRA

Hypercom's first wireless terminal was developed to use Advanced Mobile Phone Service (AMPS) technology. The analog AMPS system is used by more than half of the cellular phones worldwide and offers the broadest coverage available today. This technology uses the existing infrastructure, is available wherever cell phones work, and ensures transmission reliability, guaranteeing successful portable operation for the T7PRA.

T7PRC

Hypercom also offers Cellular Digital Packet Data (CDPD) technology as a new and proven alternative in wireless transmission. CDPD brings digital technology to the existing infrastructure of cellular technology. This new technology is competitively priced and allows reliable call access since it does not compete with normal cell phone traffic for access. By using error correction and encryption technology, data is transmitted packetized in a fast, reliable, and secure way. CDPD is a fast- growing mobile data market where intercarrier agreements allow broad coverage.



T7PRR

The newest member of the wireless terminal family is the T7PRR. It operates using Bell South Wireless Data, which currently offers seamless coverage of over 93 percent of the United States urban business population. Bell South Wireless Data utilizes Mobitex-based technology, which is ideal for the precise demands of wireless data transfer. An important key benefit this technology offers is that customers are billed only for successfully transmitted packets of data, with a reliability factor of 99.9%. Mobitex is solely dedicated to data transmission, therefore enabling the processing of wireless transactions in the most secure and cost- effective manner.

Product Highlights:

- ✔ Eliminates the need for a dedicated phone line
- ✔ Works with Hypercom standard T7P applications
- ✔ Easily replaceable printer module
- ✔ High visibility back-lit display
- ✔ Small footprint
- ✔ Integrated printer available in thermal or friction

As new wireless technologies emerge, Hypercom continues to meet that growth offering you the best solution for your wireless needs.

Use in specific networks, by specific processors must be verified, since not all processors and networks have connectivity that accepts CDPD or Mobitex-based transmissions.

HYPERCOM®

The Future of Transaction Technology

1-800-578-2436

2851 W. Kathleen Road, Phoenix, AZ 85053
Tel: (602) 504-5000 • Fax: (602) 504-4578

T7P Wireless Terminal Family

Standard Specifications

Protocol	SDLC (Synchronous) and Asynchronous (VISA 1 & 2)
Display	2 x 20 Back-lit LCD
Keyboard	35 keys
Card Reader	Tracks 1 & 2
Communications	LAN, RS485, 2 or 4 wire
Power	+24 Vdc, 200mA
Mobile Option	12 Vdc - 24 Vdc conversion with Hypercom FPW1
Battery Option	110 transactions between recharges
Auxiliary Ports	PIN Pad RS422/RS485
Dimensions	6 1/4" W x 11 1/2" D x 4 1/2" H (with full 3" diam. roll of paper)
Memory/Clock Back-up	Lithium Battery (5 years)
Operating Temperature	0°C to +45°C
Relative Humidity	15-85 percent, noncondensing
ESD Resistance	2,000 volts
Reliability	
Key Life	350,000 Operations
Card Reader	900,000 reads
Printer	1,500,000 lines MCBF
Options	Memory upgrades to 1 Mb External rechargeable battery
Memory	
EPROM	32k
RAM	512k
Optional	1 Mb
Terminal Initialization	Cellular

Printer Specifications

	T7P-Impact	T7P-Thermal
	Epson 192	Epson MT101
Method	Impact Line	Thermal Line
Columns	40	40 (42) 100% font, OS HArdware
Font	5x7	Scalable
Paper	57.5mm, Thermal Mitsubishi Paper N40 1,2, or 3 ply	57.5mm Carbonless Nippon Paper TF50KS-E Single ply
Print Speed	1.5 lines per second	6 lines per second
Line Pitch	3.7mm	3.38mm
Character Size	1.1mm/2.6mm w/h	0.875mm/2.62mm w/h
Ribbon	ERC-09 ERC-22	N/A
Head Life	1,350,000 lines	5,000,000 lines

	T7PRA	T7PRC	T7PRR
Antenna	Right angle mount TNC with 3db gain	Magnetic mount TNC	Right angle BNC
Weight	2.4 lbs. with paper	4.3 lbs. with paper	4.3 lbs. with paper

Cellular Specifications

	AMPS Cellular	CDPD Cellular	Mobitex Cellular
Frequency Coverage Transmit	824.010-848.970 MHZ	824-849 MHZ	96-902 MHZ
Frequency Coverage Receive	869.010-893.970 MHZ	869-894 MHZ	935-941 MHZ
Channel Spacing Rate	30 KHz		
Number of Channels	832		
Antenna	Integrated	Integrated or external	Integrated
Antenna Connection	50 oHm TNC	TNC	BNC
Receiver			
Sensitivity			113 dBm (nom)
Sensitivity (12dB SINAD)	-116 dBm (nom)		
Adjacent Channel Rejection	16 dB (min)		
Alternate Channel Rejection	60 dB (min)		
Hum and Noise	-32 dB (min)		
Audio distortion	5 percent (max)		
Intermod	-65 dB (max)		
Transmitter			
Power Output	600 mW (nom)	300-900 mA (nom)	
Peak Deviation (voice or data)	±8 KHz (nom)		
Frequency Stability	±2.5 ppm		
Carrier Switching Time	2 ms (max)		
Channel Switching Time	40 ms (max)		
RF Power Output	3 watts max	3 watts max	2 watts
Airlink Data Rate	9,200 bps		
Airlink Data Rate	19,200 bps		
Software Loading	Telco Line	Telco Line	Telco Line
Protocol		TCP/IP	TCP/IP

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