



## Secure Payments...Anywhere

PrimeTrex-S is the choice for handheld payment terminals. This sleek, ergonomic solution provides the best in flexibility, functionality and security for wireless transactions.

### ● Choice Communications

PrimeTrex-S Wireless supports both GPRS and WiFi communication options, giving you the best solution for your merchants' markets. Also, Dial and TCP/IP are standard; providing flexible alternative communication methods.

### ● Full Functionality

With PrimeTrex-S Wireless, there is no reduction in terminal capability. As with the PrimeTrex-S desktop model, it features a blazing 32-bit ARM9 processor for unrivaled transaction speed; a fast 14 line per second printer; the convenience of an integrated PINpad; and 64MB of memory to capture every dollar in today's value added, multi-merchant application world.

### ● Super Security

Security is at the highest level with PrimeTrex-S Wireless as it incorporates the latest in tamper protection and transaction encryption. The PCI 2.x, EMV Level 1 & 2 and Interact TSTR certification gives PrimeTrex-S Wireless the security your merchants need for today and beyond.



The Wireless Choice that Allows You to Choose



# PrimeTrex-S<sup>®</sup> Wireless



## Specifications

<b>Processor</b>	32-bit ARM9 Processor
<b>Memory</b>	64MB Flash, 32MB SDRAM
<b>Real Time Clock (RTC)</b>	RTC has power backup for data retention while the external power is turned off
<b>Magnetic Stripe Card Reader (MSR)</b>	ISO MSR will read Track 1,2,3
<b>Smart Card Reader</b>	Applicable
<b>SD Card Reader</b>	Applicable
<b>Display</b>	Graphical LCD with resolution 128x64
<b>Keypad</b>	Software programmable; Integrated LED backlight
<b>Speaker</b>	Integrated single-tone speaker
<b>Full Graphic Thermal Printer</b>	<ul style="list-style-type: none"> <li>Clamshell design</li> <li>Number of dots per line: 384 Dots</li> <li>Printing width: 1.8 inch</li> <li>Paper width: 2.3 inch</li> <li>Paper diameter: 2.25 inch</li> <li>Printing speed: 10-15 lines per second</li> </ul>
<b>Communication Options</b>	<ul style="list-style-type: none"> <li>1 HDMI port</li> </ul>
<b>Power</b>	AC/DC power adapter, external, 100-240V
<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>Operating Temperature 0°C to 40°C</li> <li>Operating Humidity 10% to 90% non-condensing</li> </ul>
<b>Hardware Warranty</b>	1 year
<b>Size (L x W x H)</b>	225.2mm x 97.0mm x 55.0mm
<b>Weight</b>	PrimeTrex-S Wireless GPRS: 600g PrimeTrex-S Wireless WiFi: 580g
<b>Certifications</b>	Interac TSTR PCI 2.x EMV Level I EMV Level II FCC part 15 FCC part 68 Industry Canada

## Wireless

### GPRS



#### GPRS:

##### Quad-band 850/900/1800/1900 MHZ

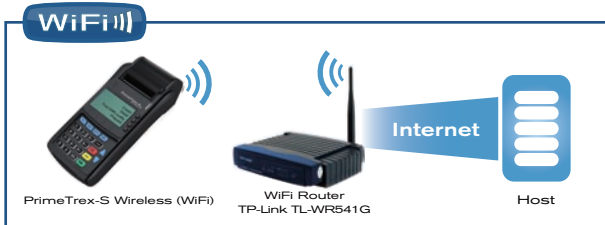
- GSM/GPRS Features:
  - 2 Watts EGSM 900/GSM 850 radio section running under 3.6 Volts
  - 1 Watts GSM 1800/1900 radio section running under 3.6 Volts
  - Hardware GPRS class 10 capable
- Interface:
  - Digital section running under 2.8 Volts
  - Optional SIM holder
  - Complete interfacing through a 60-pin connector
- Operating system:
  - Real Time Clock with calendar
  - Battery charger
  - Echo Cancellation and noise reduction (quadric codec)
  - Full GSM or GSM/GPRS Operating System stacks
- Certifications: FCC, CE, RoHS

#### WiFi Router:

##### TP-Link TL-WR541G

- WAN Ethernet port: 1x 10/100M (RJ45 port)
- LAN Ethernet port: 4x 10/100M (RJ45 port)
- Transfers rate:
  - 11g: 54/48/36/24/18/12/9/6Mbps(self-adaptive)
  - 11b: 11/5.5/2/1Mbps(self-adaptive)
- Firewall: support
- Effective distance: inside Max 200m, outside Max 830m
- Frequency: 2.4G-2.4835GHz
- Safety: FCC, WiFi certificate/WEP, 64/128/152-bit encrypted data, WiFi accessing protect
- Status indicator light: Power/Status/WAN /WLAN (Wireless Connection)/LAN
- Environment:
  - Working temperature: 0°C - 40°C
  - Working humidity: 10% - 90%
  - Storage temp: -40°C - 70°C
  - Storage humidity: 5% - 90%
- Modulate: BPSK, QPSK, CCK and OFDM (BPSK/QPSK /16-QAM/64-QAM)
- Antenna: dipole full-direction antenna. Antenna plus: 5dB
- Power consumption: Max 5.2W

### WiFi



#### WiFi: 802.11 Wireless LAN

- Ralink RT2571W MAC/BBP with RT2528 Transceiver
- Support IEEE 802.11b compliant DBPSK, DQPSK, CCK modulation IEEE 802.11b Standard Data Rates: 1, 2, 5.5 and 11Mbps
- Support IEEE 802.11g compliant DSSS, CCK, OFDM modulation IEEE 802.11g Standard Data Rates: 6, 9, 12, 18, 24, 36, 48, 54Mbps
- Embedded WEP (64 or 128 bit) engine for enciphering/deciphering of wireless data
- Support TKIP and AES
- Host Interface supports USB 2.0

#### Specification Compliance

- IEEE 802.11b/g
- USB spec. 2.0

#### Network and software

- Protocol: IEEE 802.11g/IEEE 802.11b/IEEE 802.3 /IEEE 802.3u/IEEE802.3x
- Standard: IEEE 802.11g/b
- Management: Web Management
- Channel: 13