PrimeTrex-S Wireless

Pay at the Table **WiFi**

GPRS Pay Anywhere...

PCI 2.x APPROVED

EMV L1 & L2 CERTIFIED

PA-DSS APPROVED

Secure Payments...Anywhere

PrimeTrex-S Wireless 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 either GPRS or WiFi communication options, giving you the best solution for your merchants' markets. Also, Dial and TCP/IP are available; 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 PA-DSS certifications give PrimeTrex-S Wireless the security your merchants need for today and beyond.

TechTrex Inc.

PCI 2.x ✓ APPROVED

EMV L1 & L2 ✓ CERTIFIED

PA-DSS ✓ APPROVED

PrimeTrex-S
Wireless

Specifications

Processor	32-bit ARM9 Processor
Memory	64MB Flash, 32MB SDRAM
Real Time Clock (RTC)	RTC has power backup for data retention while the external power is turned off
Magnetic Stripe Card Reader (MSR)	ISO MSR will read track 1, 2, 3 JIS MSR is bi-directional and will read track 1
Smart Card Reader	Applicable
SD Card Reader	Applicable
Display	Graphical LCD with 128x64 resolution
Keypad	Software programmable; Integrated LED backlight
Speaker	Integrated single-tone speaker
Full Graphic Thermal Printer	• Clamshell design • Number of dots per line: 384 Dots • Printing width: 1.8 inch • Paper width: 2.3 inch • Paper diameter: 2.25 inch • Printing speed: 10-15 lines per second
Communication Options	• 1 HDMI port Dial, IP, & Serial available with optional dongle
Power	AC/DC power adapter, external, 100-240V
Environmental Specifications	• Operating Temperature 0°C to 40°C • Operating Humidity 10% to 90% non-condensing
Hardware Warranty	1 year
Size (L x W x H)	225.2mm x 97.0mm x 55.0mm
Weight	PrimeTrex-S Wireless GPRS: 600g PrimeTrex-S Wireless WiFi: 580g
Certifications	PA-DSS PCI 2.x EMV Level I EMV Level II FCC part 15 FCC part 68 Industry Canada

Wireless

GPRS Network

Host

PrimeTrex-S Wireless (GPRS)

WiFi

Internet

Host

PrimeTrex-S Wireless (WiFi)

WiFi Router TP-Link TL-WR541G

WiFi package includes locked router and charging base station
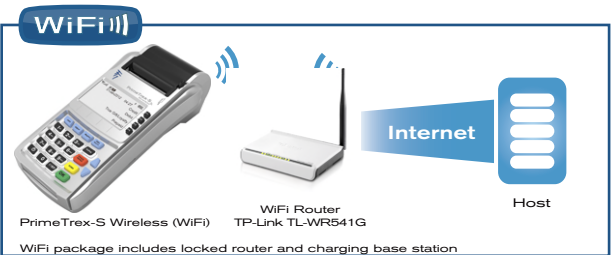
GPRS:
Quad-band 850/900/1800/1900 MHZ
- GSM/GPRS Features:
- 2 Watts EGSM 900/GSM 850 radio section running under 3.6 Volts
- 1 Watts GSM 1800/1900 radio section running under 3.6 Volts
- Hardware GPRS class 10 capable
- Interface:
- Digital section running under 2.8 Volts
- Optional SIM holder
- Complete 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: 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

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

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

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