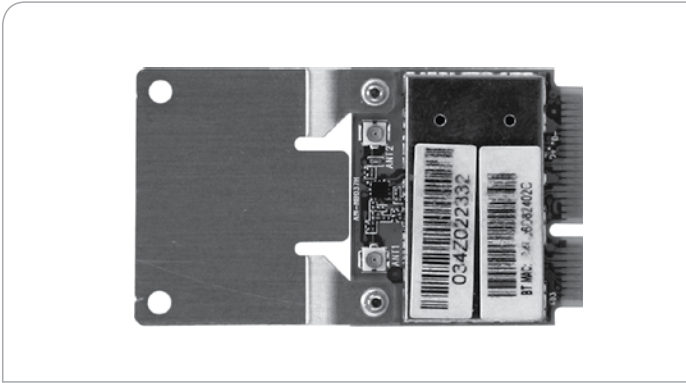


# PER-C50W

Mini-PCIe Module With WLAN 802.11b/g/n & Bluetooth® V3.0

12

Mini Card Modules



## Specifications

Form Factor	Mini Card Type (30mm x 50.95mm)
UART Chipset	Atheros AR9285(MAC/Baseband/RF) with AR3011
Frequency Range	Wi-Fi: 2.4 GHz ISM Bands 2.412-2.472 GHz, 2.484 GHz BT: 2402MHz~2483MHz"
Modulation	Wi-Fi: 802.11 g/n: OFDM, 802.11b: CCK(11, 5.5Mbps), QPSK(2Mbps), BPSK(1Mbps) BT: Header GFSK, Payload 2M: 4-DQPSK, Payload 3M: 8DPSK
Output Power	Wi-Fi: 802.11b: Typical 17 dBm at all rates +/- 1.5dBm 802.11g: Typical 15 dBm at 54Mbps / 17dBm at 6Mbps +/- 1.5dBm 802.11n 2.4G HT20 : Typical 13 dBm at MCS15/17dBm at MCS0+/-1.5dBm 802.11n 2.4G HT40 : Typical 11 dBm at MCS15/16dBm at MCS0+/- 1.5dBm BT: -6 ≤ Output Power ≤ +4 dBm (Conductive)

## Features

- PCI Express Mini Card Full Size Interface
- Compliant with IEEE802.11 b/g/n
- High Speed Wireless Connection Up To 150 Mbps
- Fully Qualified Bluetooth® v3.0

Receive Sensitivity	802.11b: less than -78 dBm (11Mbps) 802.11g: less than -68 dBm (54Mbps) 802.11n: less than -62 dBm at HT40 MCS7 less than -65 dBm at HT20 MCS7 BT: BER < 0.1% (Anritsu 8852B Tx -70Bm)
Power Consumption	Wi-Fi: Idle mode: 252.1 mA (Max.); Connect AP: 265.6 mA (Max.) BT: Idle mode: 96.1 mA (Max.); Connect AP: 92.3 mA (Max.)
Voltage	+ 3.3V
Operating Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)

## Packing List

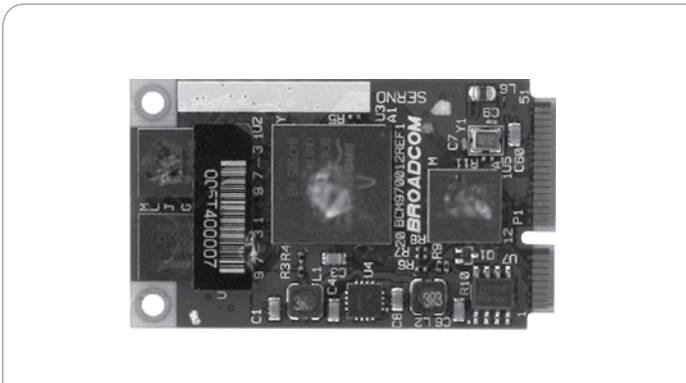
- Antenna Kits
- Driver CD (Including Quick Guide)
- PER-C50W

## Ordering Information

- TF-PER-C50W-A10  
Mini-PCIe, WiFi 802.11 b/g/n & Bluetooth™ V3.0 Module, with Atheros, AR9285 with AR3011, Rev. A1.0

# PER-V07M

Mini-PCIe Module With Video Decoder



## Specifications

Form Factor	Mini Card Type (30mm x 50.95mm)
HD Decoder Chipset	BCM70012
Supported Codes	H.264/AVC, VC-1, WMV9, MPEG-2, AVCHD
Resolution Support	1080p, 1080i, 720p, 480p, 480i
Frame Rate	Up to 60 fps
Voltage	+ 3.3V
Operating Temperature	32 °F ~ 150 °F (0 °C ~ 70 °C)

## Features

- PCI Express Mini Card Interface
- Multi Standard SD/ED/HD Video Decoder
  - Up to H.264/AVC HP at Level 4.1 1080i, 40 Mbps
  - Up to SMPTE VC-1 AP at Level 3 1080i, 40 Mbps
  - VC-1 Simple and Main Profile (WMV9)
  - MPEG-2 Main Profile @ High Level, Main Level
- Low-power HD Decode

## Packing List

- Product CD (Including Quick Guide)
- PER-V07M

## Ordering Information

- TF-PER-V07M-A10  
Mini-PCIe, HW Video Decoder Card, Rev. A1.0