GTM382

OPTION
WIRELESS TECHNOLOGY

High-performance PCI Express Mini Card module
High-speed, multimode technology

> High speed: Up to 5.76Mbps uplink and 7.2Mbps downlink
> Easy to integrate
> GPS and Voice features
> Auto-customization based on SIM card

GTM382

This fourth generation Mini Card is the perfect solution for embedding HSUPA, HSDPA, 3G and EDGE connectivity technology into laptops.

The GTM382 is capable of supporting HSUPA data rates of up to 2.0Mbps in uplink and up to 7.2Mbps in downlink. The higher uplink speed is particularly suitable for applications like video surveillance and file uploads. It's also backward compatible.

3GPP Type III Advanced Receiver Technology comes as standard – for increased reliability in weak signal areas. And thanks to triple-band 3G and quad-band 2G support, the GTM382 can be used anywhere in the world.

The Option® GTM382 PCI Express Mini Card module empowers laptops with high-performance HSUPA, HSDPA, 3G and EDGE connectivity.

Specifications

HSUPA/HSDPA/UMTS
> Multi-bands variants (bands with Rx diversity are underlined)
  > GTM382 W (MO0402): 850/1900/2100 MHz
  > GTM382 E (MO0401): 900/2100 MHz
  > GTM382 EN (MO0405): 900/2100 MHz
  > GTM382 AWS (MO0407): 50/1900/2100/AWS MHz
> Power Class 3 (+24 dBm)
> HSUPA mode: 5.76Mbps: category 6
> HSDPA modes:
  > HSDPA 7.2: Categories 7 and 8
  > HSDPA 3.6: Categories 5 and 6
  > HSDPA 1.8: Categories 1-4, 11 and 12
  > Equalization and Rx Diversity at the same time
  > UMTS: 384Kbps operation in up- and downlink
> Support UL and DL Compressed Modes
> Circuit-switched data: 64, 14.4 and 9.6Kbps

> Power Class 1 (1W) for 1800/1900 bands
> EDGE class E2 (+27 dBm in 850/900 bands, +26 dBm in 1800/1900 bands)
  > GPRS/EDGE Multislot Class 12 (4 slots Rx, 4 slots Tx)
  > GPRS/EDGE Class B Type 1 MT
> GPRS CS1-CS4; EDGE MCS1-MCS9
> Circuit-switched data: 14.4 and 9.6Kbps

Terminal Equipment Interfaces
> USB 2.0
> AT interface with standard modem emulation
  > NDIS and Modem interface drivers
  > NDIS for OS compliance and future proofing (Vista)
  > Modem interface to allow 3rd party application support
> EAP-SIM/EAP-AKA support
> Operating Systems supported:
> Windows® XP Home & Professional, Windows Vista®, Windows® 7, Windows® CE
> Tablet XP Pro/Mac OS X
> PCM voice support on PCIE minicard interface

EDGE
> 850/900/1800/1900 MHz
> GSM Power Class 4 (2W) for 850/900 bands, GSM

> Power Requirements
> Vcc 3.3V +/- 9%

Assisted/Stand-alone GPS (not on GTM382 EN)

> A-GPS and S-GPS modes, as described below:
> MS-based, MO or MT

> MS-assisted, MO or MT
> Stand-alone

Voice features (not on GTM382 EN)

> Circuit-switched voice calls over GSM/ WCDMA air interfaces, MO and MT
> Controlled through AT commands
> Bi-directional PCM interface for audio streams (8-bits u-Law A-Law, 16-bits linear)
> Voice codecs: GSM/WCDMA AMR, FR, EFR, HR
> Echo Cancellation, Noise Suppression, TTY

> Tone detection/generation
> Emergency call support
> CLI Service, Alternate Line Service
> Fixed number dialling
> Supplementary services
> Phonebook
> SMS Management

Hardware specifications

> Operating Temperature: -10°C to +55°C
> Extended Operating Temperature: -25°C to +75°C

> Storage Temperature: -40°C to +85°C
> Humidity: 5 to 95% non-condensing

Approvals & Certifications

> All applicable regulatory approvals, Operator and Infrastructure IOT
> Microsoft certified drivers
> R&TTE and FCC

> GCF
> PTCRB for GTM382 AWS and GTM382 W
> RoHS Compliant

RoHS COMPLIANT
Mac
Designed for Microsoft® Windows® XP
CERTIFIED FOR Windows Vista®
Compatible with Windows® 7

uCAN® Connect

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