

# Gobi™ 2000 PCI Express Mini Card



## Global multi-mode PCI Express Mini Card module The entire world in your notebook

- > High speed wireless Internet access
- > Worldwide coverage thanks to quad-band WCDMA and dual-band EV-DO network connection technology
- > Supports most geographies, technologies and carriers with single hardware version
- > Extra Option® software and services



# Gobi™ 2000 PCI Express Mini Card



The Gobi™ 2000 PCI Express Mini Card is the first embedded device of its kind to offer worldwide access to high-speed wireless networks, thanks to the integration of quad-band WCDMA and dual-band EV-DO network connection technology into a single module.

The download of operator images to integrated SDRAM allows the user to switch to any carrier in any location. This innovative approach to built-in connectivity benefits the entire wireless ecosystem.

For notebook manufacturers, a single multi-standard module greatly reduces the number of SKUs for cellular-enabled models. For customers, the clear advantage is not being tied to any single technology. For network operators, this product opens up the opportunity to offer new global services, such as pay-per-session data plans that can compete with local WiFi offerings

While the Gobi™ 2000 PCI Express Mini Card module itself has been developed by Qualcomm, Option® offers a wide range of services, software and support for notebook manufacturers wishing to give their customers the considerable advantage of this advanced technology.

The Gobi™ 2000 PCI Express Mini Card – it's the entire world in your notebook.



The Option® Gobi™ 2000 PCI Express Mini Card module provides worldwide wireless connectivity for mobile devices such as laptops.

Hardware Specifications (Qualcomm designed)	Services (Option delivered)
<p>Data communication</p> <p>Global multi-mode connectivity</p> <ul style="list-style-type: none"> <li>&gt; 1x/EV-DO rev A                             <ul style="list-style-type: none"> <li>&gt; 850/1900 MHz with Rx Div on both bands</li> <li>&gt; Uplink: 1.8Mbps</li> <li>&gt; Downlink: 3.1Mbps</li> </ul> </li> <li>&gt; HSPA/HSDPA/UMTS                             <ul style="list-style-type: none"> <li>&gt; 850/900/1900/2100 MHz with Rx Div on all bands</li> <li>&gt; Uplink: 5.76Mbps (HSUPA - Category 6)</li> <li>&gt; Downlink: 7.2Mbps (HSDPA - Category 7 and 8)</li> </ul> </li> <li>&gt; GSM/GPRS/EDGE                             <ul style="list-style-type: none"> <li>&gt; 850/900/1800/1900 MHz</li> </ul> </li> </ul> <p>Terminal Equipment Interfaces</p> <ul style="list-style-type: none"> <li>&gt; Type 3 Advanced Receiver Technology offering Receive Diversity together with LMMSE chip level equalizer and SAIC (Single Antenna Interference Cancellation) technology</li> <li>&gt; Connectivity for two off-board antennas with coaxial RF connectors                             <ul style="list-style-type: none"> <li>&gt; WWAN transmit and primary receive</li> <li>&gt; WWAN receive diversity and GPS</li> </ul> </li> <li>&gt; Operating Systems supported:                             <ul style="list-style-type: none"> <li>&gt; Windows® XP/Windows Vista®/Windows® 7</li> <li>&gt; Linux under development</li> </ul> </li> <li>&gt; SIM support                             <ul style="list-style-type: none"> <li>&gt; UICC/EAP-SIM</li> <li>&gt; SIM Application Toolkit</li> <li>&gt; CDMA SIM readability</li> </ul> </li> <li>&gt; Locking support: BIOS lock/SIM lock</li> </ul> <p>GPS Features</p> <ul style="list-style-type: none"> <li>&gt; Stand-alone GPS/Assisted GPS/gpsOneXTRA™</li> </ul>	<p>Module integration support and services</p> <ul style="list-style-type: none"> <li>&gt; Pre-integration assistance</li> <li>&gt; Integration manual with pre-integration checklist</li> <li>&gt; Module integration kit (USB)</li> <li>&gt; HW/RF/GPS integration advice</li> <li>&gt; Customization services</li> <li>&gt; Dashboard customization</li> <li>&gt; Post-integration validation</li> <li>&gt; Module integration validation</li> <li>&gt; SIM testing (external lab)</li> <li>&gt; EMC testing</li> <li>&gt; Passive antenna test</li> <li>&gt; TRP/TIS measurement</li> <li>&gt; SAR measurement</li> <li>&gt; Field testing services</li> <li>&gt; Manufacturing validation tools</li> </ul> <p>Laptop certification services (parent laptop)</p> <p>Assistance with approvals or one-stop approval service for:</p> <ul style="list-style-type: none"> <li>&gt; Regulatory approvals (FCC, CE, MIC, NCC, IC...)</li> <li>&gt; Telecom industry approvals (PTCRB, GCF, JTBL)</li> <li>&gt; Operator acceptance IOTs</li> </ul> <p>Laptop certification services (child laptop)</p> <p>Assistance with delta certification of models that are derived from the parent model</p>
	Software (Option delivered)
	<p>GT Connect (3.x) connection manager offering</p> <ul style="list-style-type: none"> <li>&gt; WCDMA connections</li> <li>&gt; EV-DO connections to Sprint/Verizon</li> <li>&gt; Firmware image downloads to Gobi module</li> <li>&gt; GPS control</li> </ul>



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