

nPhase

“Plug and Play” Functionality for Cellular Wireless M2M Networks

nPhase, is a leader and pioneer providing comprehensive high-value M2M (Machine to Machine) business solutions. The challenge that nPhase has solved in the M2M wireless space is the ability to provide “plug and play” functionality for cellular wireless networks, as well as, services and capabilities that are not readily available from wireless carriers, while still offering speed of deployment and competitive rate plans. Together, nPhase, with its leading wireless service offering, and Multi-Tech with external and embedded wireless modems, are able to provide customers with seamless M2M connectivity.

As a Mobile Virtual Network Operator (MVNO), nPhase is able to offer Multi-Tech customers the ability to create custom wireless rate plans by subscribing to both GPRS and CDMA networks for broader national coverage. With nPhase, your M2M deployment will work seamlessly over GPRS, CDMA or SMS. In addition, nPhase provides the added benefit of consolidated billing.

nPhase also offers customers the ability to obtain static IP addresses. This allows users to push data through the Multi-Tech wireless modem to the end device. Server initiated communications are required when a user would like to get the most up to date data or connect to a device to perform remote diagnostics.

Finally, nPhase offers competitive data rate plans with volume discounts as your deployment increases. This, combined with the added benefit of a turnkey communications solution, offers quick implementation schedules with low capital requirements and minimal internal labor commitment.

“The ability for Multi-Tech customers to have a pre-certified wireless modem along with the nPhaseDSN “plug and play” wireless connectivity solution, is addressing an important market need,” explains Rick Scully, Data Services Practice Lead at nPhase. “Through this combined solution, customers are able to get their cellular wireless products to market more quickly and cost-effectively with enhanced functionality.”



Multi-Tech and nPhase

Solution Benefits:

- “Plug and Play” functionality
- GPRS and CDMA consolidated rates and billing
- Static IP addresses
- Competitive data rate plans

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- Rick Scully,
Data Services Practice Lead at nPhase

Multi-Tech Wireless Modems

Multi-Tech has leveraged its many years of experience in modem technology to introduce its next generation of modems. The new wireless modems utilize standards-based GPRS or CDMA technologies to provide wireless data communication over worldwide cellular networks. They are designed in a rugged industrial chassis and are available with a broad range of interface options including RS-232, USB, and Ethernet to cover all of your application needs.

MultiModem GPRS

- GPRS Class 10
- Dual-band 850/1900 or 900/1800 MHz GSM/GPRS
- Packet-switched data rates up to 85.6K bps
- RS-232, USB, Bluetooth and Ethernet interfaces
- Desktop or panel mounting
- Carrier approved

MultiModem CDMA

- CDMA2000 1xRTT
- Dual-band 800/1900 MHz CDMA
- Packet-switched data rates up to 153.6K bps
- RS-232, USB, Bluetooth and Ethernet interfaces
- Desktop or panel mounting
- Carrier approved

nPhaseDSN

nPhaseDSN (Dynamic Secure Network) provides "plug-and-play" cellular wireless capabilities and airtime. nPhase is a tier-one partner of Sprint Nextel and Cingular and provides wireless data on their networks. nPhase supports all major communication types: Ethernet connection, GSM, CDMA, POTs, wireless, paging networks and other protocols.

nPhaseDSN features:

- Two-way/remote terminated communications
- End-to-end secure connectivity
- Private, static IPs
- Efficient protocols
- Works seamlessly over GPRS, CDMA, SMS
- Development kits and rate plans
- Technical support
- Data pooling and custom wireless rate plans
- International coverage

About nPhase

nPhase is a leader and pioneer providing comprehensive high-value M2M business solutions. M2M is about connecting widely dispersed machine or physical assets to information



systems and people to extract information advantages. It is an explosive new industry predicted to exceed \$100 billion by 2010. nPhase is the only recognized leader that provides complete end-to-end solutions, including its key role as a Mobile Virtual Network Operator (MVNO), solution customization services, in-house staffed 24/7 Network Operations Center (NOC), and partnerships with some of the world's leading organizations like Cingular Wireless, Sprint, Multi-Tech Systems and others. In 2004, nPhase was recognized by M2M Magazine as an M2M Pioneer, and was a winner of the prestigious Chicago Sun Times Innovation Award.

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About Multi-Tech

Multi-Tech Systems is an ISO 9001:2000 certified global manufacturer of award-winning telephony, Internet, remote access, and device networking products that connect voice and data over IP networks. With a long history inventing products known for their reliability and performance, Multi-Tech still employs the same mission from which the company was founded: to provide quality solutions that solve real business problems.