



solutions that work for your business.

FOR YOUR DESIGN & MANUFACTURING NEEDS



Contract Manufacturing Engineering Design & Turnkey Services

Interphase Services

Use any or all of the services in this continuum to meet your project needs:

- Innovative hardware & software design and development
- Re-design for obsolescence & cost reduction
- Rapid prototyping & design testing
- Thermomechanical services
- Staging & Integration
- Automated SMT assembly & rework
- Enhanced testing & test design
- Project & Life-cycle management

Interphase — Over 35 years in business, offering the maturity and capability of a large company and the flexibility, customer focus, and efficiency of a small company.

Engineering Design Services

Whether you are looking for expert advice on tightening your own design or seek a turnkey concept-to-production service, Interphase highly skilled engineers will save you development time and resources, while speeding your time to market. Serving OEM clients makes up the majority of our business, so you will find Interphase easy to work with and very responsive to your needs and requirements.

Interphase **expertise** lies in the area of small form factor, embedded electronics hardware design and related device drivers, embedded software, protocols, and integration.

HARDWARE EXPERIENCE

Board form factors	VME, cPCI, MC, PMC, PTMC, XMC, PCI, PCI-X, PCIe, ATCA, AMC, RTM, VPX, ATC, custom forms & appliances
Interface standards	PCI, PCI-X, PCIe, SRIO, 10/100Mbps Ethernet, 1/10GE, T1/E1/J1, DS3/E3, OC-3/12/48, STM1/4/16, RS232/422/423/485 MIL-STD-188, SATA, SCSI, SAS, USB, OBSAI & CPRI
Processors	Freescale, Intel, Cavium, Wintegra, Broadcom, Exar-Hifn, IBM, Mindspeed, Picochip & Actel
FPGA	Altera, Xilinx, Lattice, Mentor Graphics tools, in-house development & 3 rd -party IP core integration
Thermomechanical	MIL-STD-883, design for NEBS, IcePak modeling & simulation

SOFTWARE EXPERIENCE

Embedded software	Linux—Wind River, Debian, RedHat, MontaVista, Timesys distributions, VxWorks & Solaris
Protocols	LTE, WiMAX, WiFi, SS7, SIGTRAN, ATM, IMA, POS, HDLC, ML-PPP, Frame Relay, GTP, IP suite of protocols, ITDM, RTP, RTCP, SONET/SDH, BISYNC & X.25
Device drivers	Framers, Ethernet, HDLC controllers, USB, Serial, SPI & H.110 switches



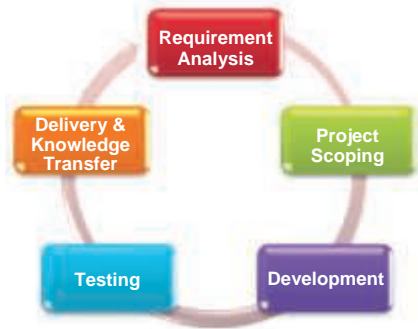
www.iphase.com/services

Interphase Corporation
2901 North Dallas Parkway, Suite 200
Plano, Texas 75093, USA
(214) 654-5000 (800) 327-8638

WE'VE WORKED WITH A DIVERSE CUSTOMER BASE. HOW CAN WE HELP YOU?

Visit us at www.iphase.com/services or call us at (800) 327-8638 for a no-commitment conversation about your project needs.

Design services begin with careful, collaborative definition of the Product Functional Requirements and detailed specifications, including specific resources, equipment, and processes. Project Management smoothly guides each project throughout the project cycle.



Interphase Interactive Project Management Cycle

This is followed by project feasibility, scoping, and setting a baseline schedule. Design quality is assured through comprehensive engineering test plans and testing in sync with development – for hardware, software, and systems, as appropriate. This includes design verification and validation testing and product regulatory certifications if needed.

The last step is a formal customer deliverables review and acceptance and knowledge transfer. After this point, the project manager will remain involved should any Engineering Change Orders arise.

All production tests can be designed in parallel with the product and passed to Interphase Contract Manufacturing for seamless turnkey production or to your manufacturer of choice.

Contract Manufacturing

Your electronics manufacturing requirements will be met or exceeded by Interphase full-service Contract Manufacturing. Our experts build quality solutions using state-of-the-art equipment and our proven quality processes in our ISO-9001, TL-9000, and ISO-14000 certified facilities.

Project Management

Your Interphase project manager will provide a single point of contact and facilitates all aspects of your project through the entire process, ensuring your requirements are accomplished and your schedules are met.

Inventory & Supply Chain Management

Interphase works with customer supplied materials/kits or we can manage the material procurement with our unique supplier inventory programs that maximize our buying power with both domestic and offshore suppliers. Using customer supplied forecasts and our fully integrated MRP/ERP system Interphase ensures material availability and optimum delivery of assembled product.

Assembly Capabilities

Leaded or Lead-Free (RoHS) assembly services include fully automated Surface Mount (SMT) board assembly, system assembly, and complex rework capability. Capabilities include micro-BGA, 0201, and two-sided BGA component placement. Interphase has extensive experience with high-density, small form factor SMT work.



Rapid Prototype & Production Services

Interphase offers kitted or turnkey options for rapid prototype assembly. Our facility is optimized for low volume, high mix—ideal for your small to medium production runs.

Testing & Repair Services

Extensive testing capabilities include development of hardware and software functional tests, integration of customer-supplied functional testing, flying probe, and In-Circuit Test (ICT). Temperature, vibration, accelerated life cycle testing, and reliability analysis are also available.

Branding, Packaging & Shipping

Interphase can integrate your product's labeling, packaging, and global shipping requirements, enabling us to drop ship your product directly to your customers dock. Interphase can also provide you with configuration controls to "lock" your specific Bill of Material requirements with change order controls that prevent changes without your approval.

Life Cycle Management & Support Services

Interphase experience will be here to support you throughout the life of your product, managing component obsolescence, improving manufacturability, testing, and reliability while continuously providing customer support.



© 2011 Interphase Corporation. All rights reserved.

