



DESIGN AND DEVELOPMENT



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The lowest BoM, least power consumption and smallest form factor are critical for an embedded product to be successful in the market place. We believe, by virtue of having delivered multiple programs over several years, that software is a critical component that helps to achieve the above parameters through its smartness to fit into a lower-end processor.

At GlobalEdge, with a rich experience in a wide variety of hardware and software, we design, develop and transform a marketable idea of our customers into a saleable product. Our Embedded Product Development services range from idea generation, product conceptualization, design, development, testing, certification, manufacturing and subsequent product support. GlobalEdge provides for the competitive edge and time to market advantage through our proven software engineering methodologies.

With dedicated teams for the technology domains of focus, GlobalEdge has the technical capability and domain knowledge to quickly turn-around a product from requirements to proof of concept or prototypes. Our engineers adopt the necessary skills, as may be required, to interface with any proprietary software.

Some of the areas in which we offer substantial value-added design, development and testing services based on our expertise include:

- BSP and Device Drivers for all major operating systems and RTOSs
- Wi-Fi Protocol Stack
- Bluetooth Profiles
- LTE / 4G Protocol Stacks
- Development of Multimedia Applications
- Prototype Wireless Applications for Wireless Cameras, Headsets, Speakers, etc.
- PacketCable™ 2.0 & 1.5 Stacks
- Network Protocol Stacks like DHCP, DNS, TFTP and others
- Integration of DECT with VoIP / PacketCable™
- VoIP / Video Telephony based on SIP/IMS, MGCP, 3GPP IMS Extensions
- Security Protocols like Kerberos, SSL, SFTP, SRTP, etc.
- Provisioning and Remote Management applications using SNMP and/or TR069