

Application Resources

Enhance your knowledge and help get your customers to market easily and quickly by leveraging literature and support. From your personal, online “24/7” KnowledgeBase to technical documentation, TI offers the fast and accurate technical support you need when you need it.



Solutions Guides

Find a thorough overview of both digital and analog solutions required to meet the demands of the following specific applications segments: www.ti.com/solutionguides

Literature Name	Literature #	URL
Video and Imaging Guide	SLYB099	www-s.ti.com/sc/techlit/slyb099
Medical Applications Guide	SLYB108	www-s.ti.com/sc/techlit/slyb108
Notebook Computer Solutions Guide	SLYY016	www-s.ti.com/sc/techlit/slyy016
Embedded Processing Guide	SPRT492	www-s.ti.com/sc/techlit/sprt492
Industrial Solutions Guide	SLAB039	www-s.ti.com/sc/techlit/slab039
Audio Guide	SLYY013	www-s.ti.com/sc/techlit/slyy013
Security and Surveillance Solutions Guide	SLYB133	www-s.ti.com/sc/techlit/slyb133
Communications Infrastructure Solutions Guide	SSTC001	www-s.ti.com/sc/techlit/sstc001
Analog Switch Guide	SLYB125A	www-s.ti.com/sc/techlit/slyb125
Translation Selection Guide	SCYB018	www-s.ti.com/sc/techlit/scyb018
I ² C Selection Guide	SSZC003	www-s.ti.com/sc/techlit/sszc003
Logic Selection Guide	SDYU001	www-s.ti.com/sc/techlit/sdyu001

Mini-Solutions Guides

Literature Name	Literature #	URL
Industrial Process Measurement and Control Trifold	SLYB136	www-s.ti.com/sc/techlit/slyb136
System Monitoring and Protection Quick Reference Guide	SLYB132	www-s.ti.com/sc/techlit/slyb132
Analog and Logic for Low-Power Processors	SLYT052	www-s.ti.com/sc/techlit/slyt052
Power Management Solutions for Xilinx and Altera FPGAs	SLYM065	www-s.ti.com/sc/techlit/slym065
5-Minute Guide	SLYB128	www-s.ti.com/sc/techlit/slyb128

Design Support

- **Design Support Centers** offer resources to help engineers with all their design needs. Find technical documents, development tools, code examples, application software, training, bug lists and more. TI offers Design Centers for Analog, DSP and MCU products at www.ti.com/designsupport.
- **TI E2E Community** – this website allows you to freely and openly interact with your peer engineers, TI engineers and other experts in order to ask questions, share knowledge, explore ideas and help solve problems. community.ti.com
- **KnowledgeBase** – available 24 hours a day, the KnowledgeBase is a resource for questions and project development support. www.ti.com/kbase
- **Free Online Training and Webcast Library** – online training courses and webcast sessions address topics most critical to engineers. Visit www.ti.com/onlinetraining

End-Equipment Solutions

To make system design easier, TI has created interactive system block diagrams for a variety of end equipments. System block diagrams provide product recommendations for the entire signal chain and the associated technical documentation, tools and software to get started. www.ti.com/endequipsolutions

3D Metrology	ECG Electrocardiogram	Portable Media Player (DaVinci™ Technology Based)
802.11 Wireless LAN	Fingerprint Biometrics	Portable Medical Instruments
AC/DC Isolated Power Supply with PFC > 90W	Flow Meter	Power-Line Communications
AC/DC Isolated Power Supply without PFC < 90W	Full-Duplex Speakerphone	Power Over Ethernet (PoE)
AC/DC Non-Isolated Power Supply with PFC > 90W	GPS: Personal Navigation Device	Pressure Sensor
AC/DC Rectifier (DSC-Based)	Glass Breakage Detector	Pro-Audio Mixer
ADSL Modem/Router	HVAC	Programmable Logic Controller
AMR: Electricity Meter	Hands-Free Kit	Pulse Oximetry
ATCA Solutions	Handset: Entry	Radar/Sonar
AV Receivers	Handset: Feature	Refrigerator
Active Noise Cancellation (ANC)	Handset: Multimedia	SMS/MMS Phone
Audio Dock: Basic	High-Definition Television (HDTV)	Secure Phone
Audio Dock: Performance	High-Speed Data Acquisition Front End	Seismic Server
Audio Dock: Portable	Holographic Data Storage	Shortwave Modem
Automated External Defibrillator	Hydraulic Valve	Smoke Detector
Avionics	IP Phone: Video	Software-Defined Radio (SDR)
Barcode Scanner	IP Phone: Wireless	Solar Power Inverters
Battery Power Management	Integrated Access Device	Streaming Media
Blood Pressure Monitor	Isolated Thermocouple (Portable Audio)	TV: LCD/Digital
Blu-Ray Player and Home Theater	Machine Control Using DeviceNet	Temperature Sensor/Controller Using Modbus
Bluetooth Headset	Magnetic Resonance Imaging (MRI)	USB Phone
Broadcast-Quality Video Platform	Microwave Oven	USB Speakers
Cable Solutions	Military Imaging Systems	Ultra Wideband (UWB)
Call Logging	Military Target Detection and Recognition	Ultrasound System
Camera: Surveillance Analog	Motor Control: High-Voltage	Uninterruptible Power Supply (UPS)
Camera: Surveillance Low-End Networked	Motor Control: Low-Voltage	Universal Multimedia Player
Camera: Surveillance Mid-End Networked	Multi-Channel DC/DC Converter (DSC-Based)	Video Broadcasting: IP-Based Multi-Format Decoder
Confocal Microscopy	Munitions	Video Broadcasting: IP-Based Multi-Format Transcoder
DLP® Front-Projection System	Notebook PC	Video Conferencing: IP-Based HD
DVD Player	OFDM Power Line Modem	Video Conferencing: IP-Based SD
DVD Recorder	Optical Line Card	Video Infrastructure
DVR: Security with IP	Oscilloscope	VoIP Solutions
Desktop PC	PABX Telephony Multi-Processing	Washing Machine: Mainstream
Dialysis Machine	PSTN-IP Gateway	Washing Machine: Traditional
Digital Hearing Aids	Patient Monitoring: OMAP™	Weigh Scale / Bridge Sensor
Digital Radio	Personal Digital Assistant (PDA)	WiMAX and Wireless Infrastructure Equipment
Digital Set-Top-Box (STB/PVR)	Portable Blood Gas Analyzer	Wireless LAN Card
Digital Still Camera	Portable DVD Player	X-Ray: Baggage Scanner
Digital Video Recorder	Portable Media Player	