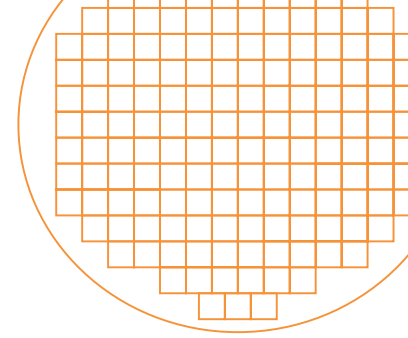


products

PRISM[®] Indigo[™], 54Mbps 5GHz WLAN Chip Set



PRISM Indigo[™] is the only complete wireless chip set solution that will provide the total package of reference design, software, firmware and hardware for the newly emerging 5GHz radio market. Leveraging decades of expertise in the research and development of silicon technology, Intersil's PRISM team has incorporated state-of-the-art BiCMOS and CMOS technology to create PRISM Indigo. Delivering a remarkable 54 megabits-per-second (Mbps) data rates, PRISM Indigo's optimized radio performance and innovative Medium Access Controller enhancements offers best-in-class radio performance, BOM cost and power consumption. PRISM Indigo is compliant with global standards and is architected to support IEEE 802.11a, and subsequently ETSI HIPERLAN/2 and any other potential future standards developed as

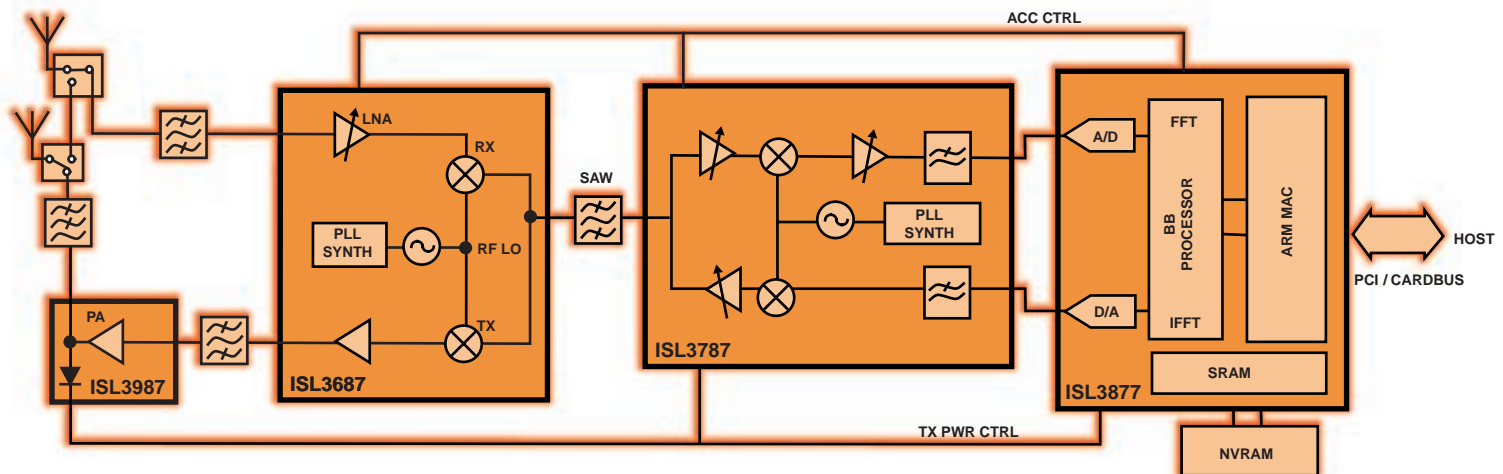
envisioned by the Joint 5GHz Study Group and the 5GHz WLAN Industry Advisory Group. The PRISM Indigo wireless networking chip set is optimized for smaller form factors and embedded WLAN applications such as mini-PCI cards and single-sided PCMCIA cards.

Intersil components used on the PRISM Indigo radio reference design:

- ISL3987 5GHz Power Amplifier
- ISL3877 Wireless LAN Integrated Media Access Controller w/Baseband Processor
- ISL3787 1.2GHz IF/BB Converter w/AGC and Synthesizer
- ISL3687 5GHz RF/IF Converter with Integrated Synthesizer

Specifications on back

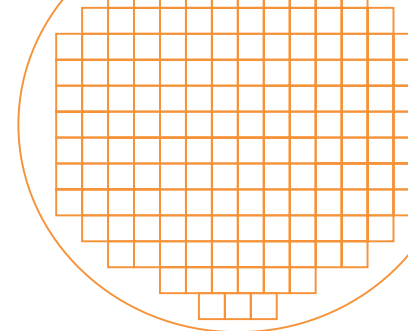
PRISM Indigo Block Diagram



products

PRISM[®] Indigo[™] 54Mbps

5GHz WLAN Chip Set



SPECIFICATIONS

Variable Data Rates	6, 9, 12, 18, 24, 36, 48, 54 Mbps
Frequency Band	5.15–5.85 GHz (5GHz UNII Bands)
BER (Bit Error Rate)	0.1% Typ.
Range	up to 80m Indoors