

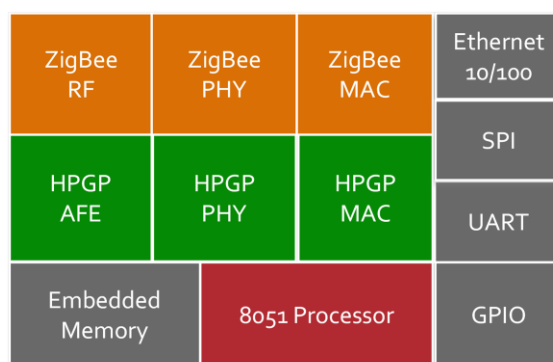
The Industry's first Hybrid System-on-Chip Integrating IEEE 802.15.4 / ZigBee and HomePlug Green PHY PLC with Ethernet 10/100

Greenvity offers Hybrii®-XL™ chip, GV7011, is the industry's first Hybrid System-on-Chip (SoC) with IEEE 802.15.4 / ZigBee, HomePlug Green PHY PLC, and Ethernet 10/100. GV7011 integrates IEEE 802.15.4 /ZigBee RF Transceiver, HomePlug Green PHY Transceiver, 8-bit Micro controller and embedded memory.

GV7011 Specification

| Parameter | | Specification |
|-------------------------------|------------|--|
| Operation Voltage | | 1.8V ~ 3.6V |
| IEEE802.15.4/ ZigBee | Frequency | 2.4GHz |
| | Data Rate | 250kbps |
| | Max Tx | +13dBm |
| HomePlug Green PHY | Spectrum | 2M~28MHz |
| | Modulation | OFDM |
| | Data Rate | Max. 10Mbps |
| MCU | | 8051 MCU |
| Memory | | 256KB RAM for Code 48KB RAM for Data |
| Interface (Host & Peripheral) | | SPI(Slave/Master), UART, Ethernet, 12C, Serial Flash Interface |
| GPIO | | 6 |
| Package | | 12 * 12 mm QFN-148 |

GV7011 Chip Block Diagram



Target Applications

- Smart Energy Management for Home, Buildings and Multi-Dwelling Units.
- Plug-in Electric Vehicle Chargers
- Smart Meter
- Smart Appliances
- Smart Home Network (Home Gateway, Routers and STB)
- Controlled Lighting
- Solar Inverter and Micro-Inverters

For more information on the GV7011 or other solutions from Greenvity Communications, please contact Greenvity:

Greenvity Communications

Tel.: +1 408 935 9434, email: sales@greenvity.com
www.greenvity.com
673S. Milpitas Blvd., Suite 204, Milpitas, CA 95035

