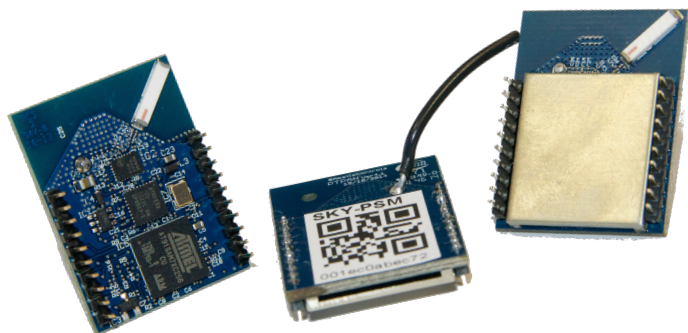




THE ENERGY OF THINGS

**IPPAN** 6LoWIRELESS RADIO MODULE

v1.0



TECHNICAL SPECIFICATIONS
• SAM7x256/SAM7512 powered
• AT91 SAM7x256 16/32 bit ARM7TDMI™
• 64KB onboard RAM
• 256KB Flash
• 10bit ADC384 ksps
• 1x UARTs
• 1x SPI
• 3x 32 bit Timers
• 4x PWM
• 4 Ch AtoD at 10bit Res Precision 3V reference
• WDT (Watchdog Timer) up to 26 MHz operation
• 10-pin header
• Dimensions: W=24mm L=34mm H=9mm
• FCC ID: 2-ADDY-P1

**PRODUCT OVERVIEW**

The Amatis IPPAN module embeds wireless IPv6-based communication into each Amatis device. IPPAN modules use 6LoWireless mesh networking technology to connect controls and sensors the internet. IPPAN technology gives each Amatis device a unique IPv6 address and smart functionality enabling wireless data gathering, communication, and control.

IP-PAN's solid-state design ensures reliable and consistent hardware.

FEATURES
• 2.4GHz bidirectional communications
• 300+ feet open air RF range
• IEEE 802.15.4
• CoAP (Constrained Application Protocol)
• FCC Certified RF module
• IETF Standard for RESTful environments

**PIN OUT DIAGRAM**

