

NEW

# Realizing a Simple Interface with the Host System

## 「HD-PLC」 inside Standards Compliance Baseband LSI

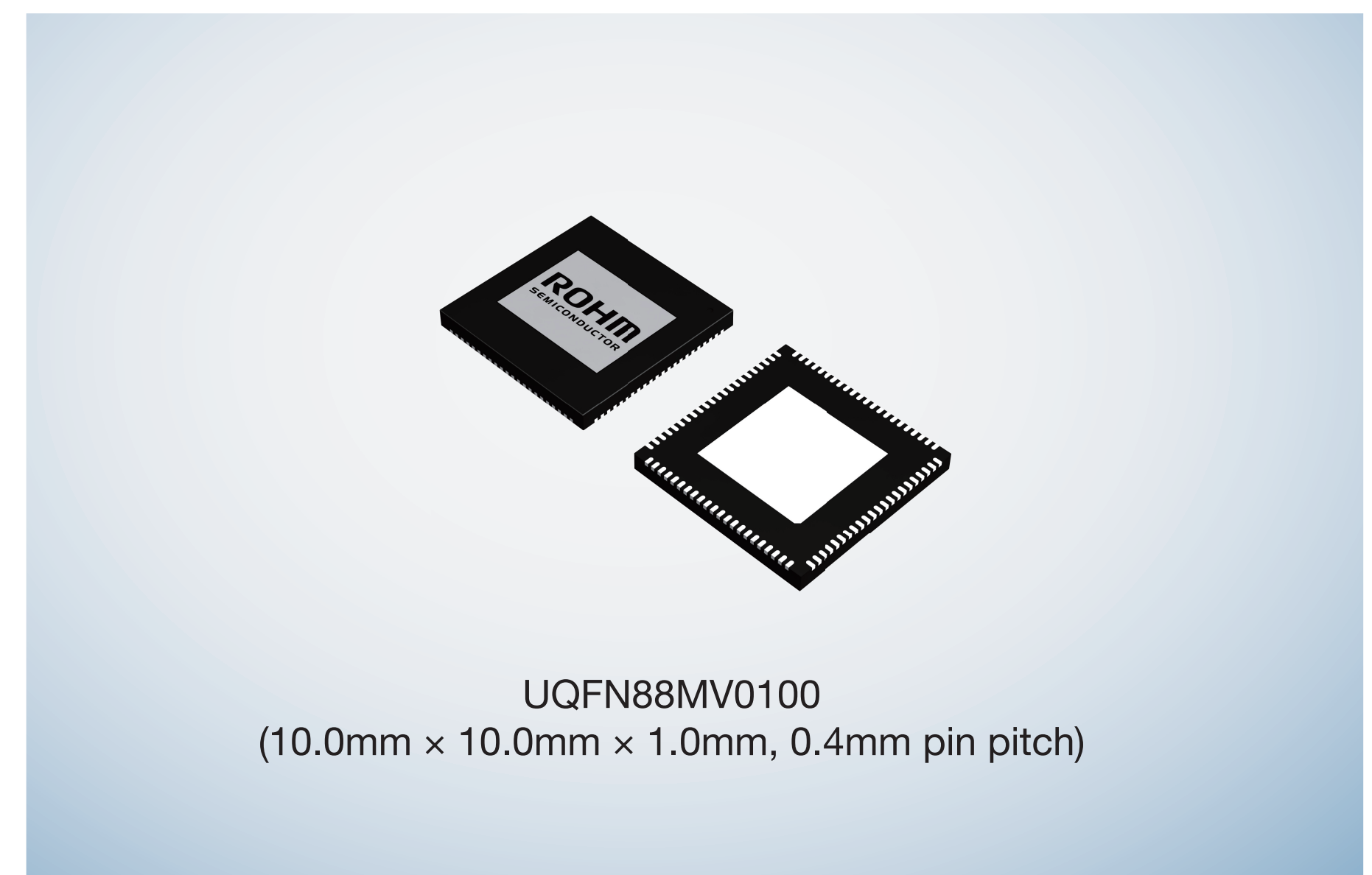
BU82204MWV



### Features

- Ideal for 「HD-PLC」\*1 inside standard  
This IC is world's first\*2 product targeting especially the 「HD-PLC」 inside standard
- Equipping the TCP/IP protocol by integrating the ARM CORE (Correspond with ECHONET Lite middle ware and SSL)
- Low power consumption PLC communication  
(It is realized low power consumption by intermittent operation)
- I<sup>2</sup>C, PWM, and GPIO interfaces are included for connecting to peripheral devices such as sensors and LED drivers  
Control is performed by the internal CPU, making system configuration easy
- Reference communication software available

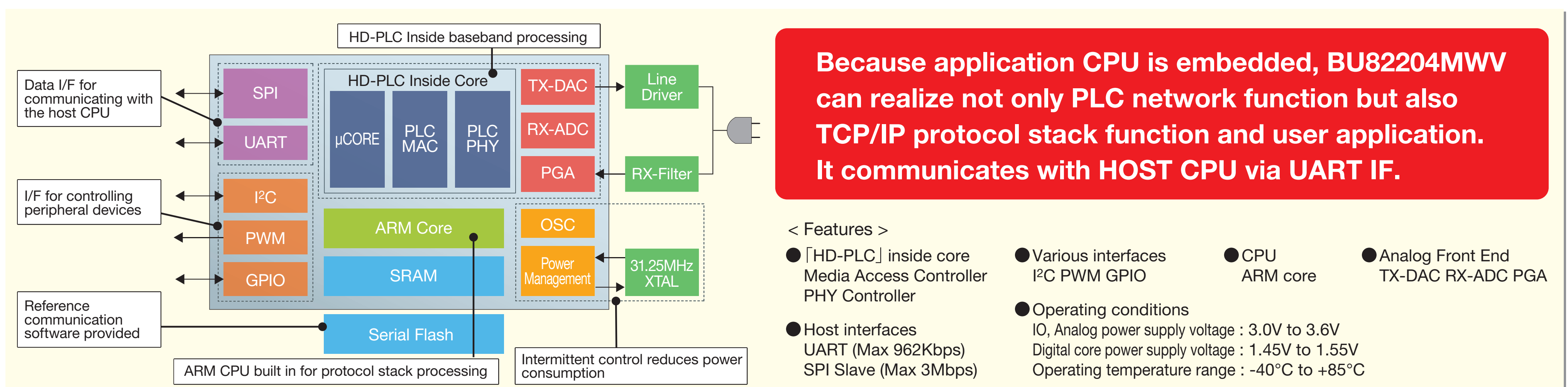
\*1) 「HD-PLC」 is a power line communication standard compliant with IEEE1901  
\*2) June, 2014 ROHM survey



### Applications

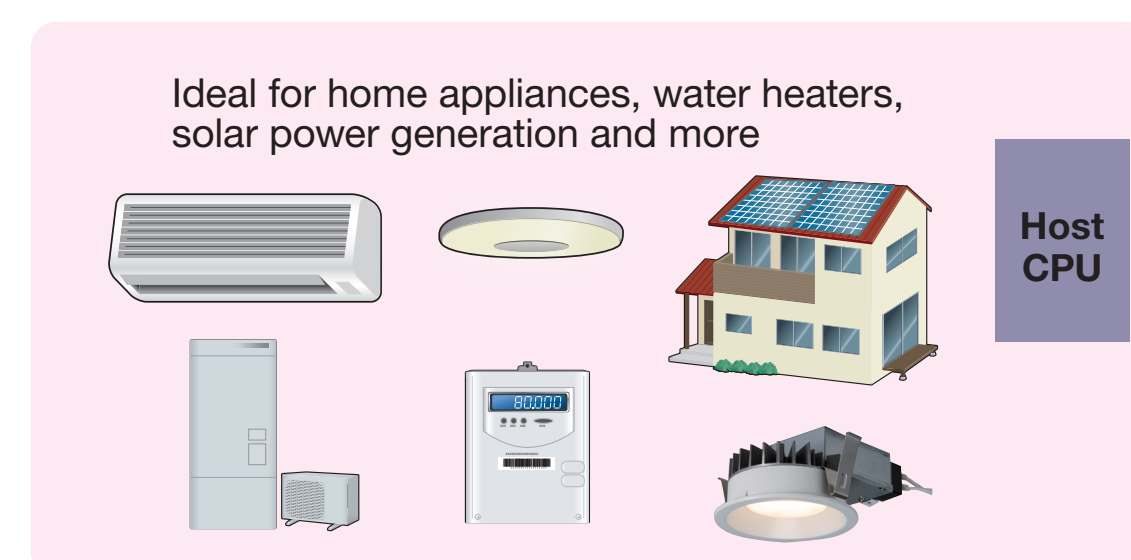
- Smart Home (HEMS, White Goods, LED Lighting etc)
- Smart Community  
(BEMS, Equipment of Office and Industrial)

### Specifications



### Built-in TCP/IP Protocol Stack Lightens Development Load

Incorporating the TCP/IP protocol stack enables connection to a network via PLC without requiring significant modifications to the host CPU system. Configuration of a variety of remote control applications is also possible in addition to status confirmation when used as a web server.



Serial I/F  
Simple network configuration

