

# **HS3001**





## Product description

The HS 3001 is a Qualcomm® chipset-based 1xRTT (CDMA2000) cellular module with a 100-pin Molex® I/O and Board-to-Board (B2B) RF connectors. This module will excel in applications requiring low power consumption, extended temperatures, multiple radio choices, and optional audio support. With dual-band 1xRTT radio and Sprint and Verizon certifications, the HS 3001 will meet an impressive range of design objectives for integrators in North American markets.

#### **Profiles**

The modular architecture is shared across all platforms and powered by a programmable rules engine. The network router, control, and automation capabilities provide manufacturers with a flexible structural design for rapid product development and deployment.

This Module preseverse the same 100-pin I/O and B2B RF connectors in the HS300x series; a compatible x-y size and mounting; and the same firmware API. Another benefit of an HS300x family transition is that you can even reuse most of your valuable script features. This compatibility allows a single design and integration effort to support worldwide deployments across multiple carriers.

## **Key Benefits**

- Leading-edge silicon solutions from Qualcomm
- 100-pin connector form factor is compatible across technologies
- Integration with N4A Software for quick development and deployment
- SMS
- Packet Data
- TCP/IP and UDP/IP software stack with Packet Assembler Disassembler
- Network router and control/automation

# **HS3001**

### **Product Features**

• Dual-band CDMA | 1x RTT 800 / 1900 MHz

• Verizon: 900/1800 MHz • Sprint: 900/1800 MHz

• Voice Optional

• SMS

#### Data

#### CDMA

- CDMA 2000
- 1xRTT data up to 153.6 kbps

### **SMS**

- Text
- MO/MT

# Physical & Environmental

• Dimensions: 28.0 x 25.0 x 4.5 mm

• Operating temperature: -30°C to +70°C

• Weight: 4.0g

#### Interfaces

- 100-Pin Molex<sup>®</sup> I/O 0.4mm pitch Slim Stack™
- B2B RF
- USB 2.0 HS
- 2 UART
- Max 8 ports

# **Approvals**

- IC and FCC
- RoHS
- RSS
- Carriers: Verizon, Sprint, Aeris (TA)

# **Electrical & Sensitivity**

- Sensitivity:
  - -111 dBm @ 1900 MHz
  - -109 dBm @ 800 MHz
- Supply voltage
  - Range: 3.4 - 4.4 VDC

#### **Drivers**

- Lynux USB Drivers
- Windos-based USB Drivers



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