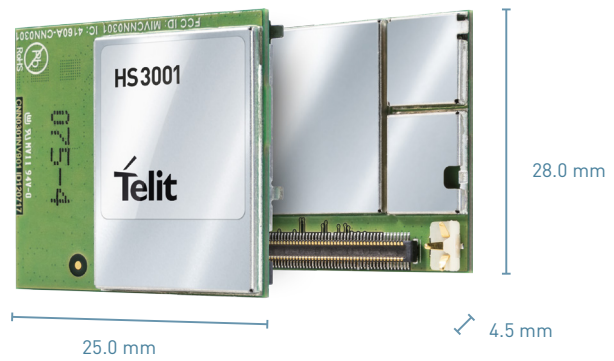


HS3001

CDMA | 1xRTT Connectorized



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 preserve 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® 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



Join the Telit Technical Forum

For a quicker and more rewarding integration experience join the Telit Technical Forum. There you can browse the first open forum covering all IoT topics, get direct support by region (EMEA, North America, Latin America, APAC), take part in this quickly growing IoT community and exchange experiences.