



eSOM7 Network Synchronizer Module with Renesas RC38612

Key Features

- Optional add-on card to the eSOM7 5G/Wireless carriers, providing network synchronization and de-jittered clocks for wireless applications including 5G/O-RAN
- Small 2.2"x3.1" form factor module that plugs into the eSOM7 via 50-pin connector
- Based upon Renesas RC38612 timing generator and synchronizer chip
- High performance PTP/1588 support through Renesas PTP Clock Manager software
- Module designed to support various operating modes:
 - Network synchronizer for recovered or reference clocks
 - Jitter attenuator for recovered clocks
- Full support for JESD 204B/C DevClk and SysRef generation for RF transceivers
- Provisioned with TCXO and OCXO for higher stability applications
- Connectors for external TOD, PPS/IRIG and reference clock inputs



Network timing and clock synchronizer module designed to pair with eSOM7 5G/Wireless development platform. Implements PTP/1588 and SYNCE based network synchronization and generates low phase noise transmit clock and JESD DevClk and SysRef reference signals required by most 5G ORAN and wireless/Satcom digitizer applications.

Link

<https://hiteksys.com/fpga-and-soc-development-boards/intel/renesas-rc38612>

Ordering Code

ASY-00-00055: Network Synchronizer module with Renesas RC38612 and 19.44MHz TCXO

For sales or more information:



Hitek Systems LLC
 Phone: +1-301-528-8074
 Email: sales@hiteksys.com

