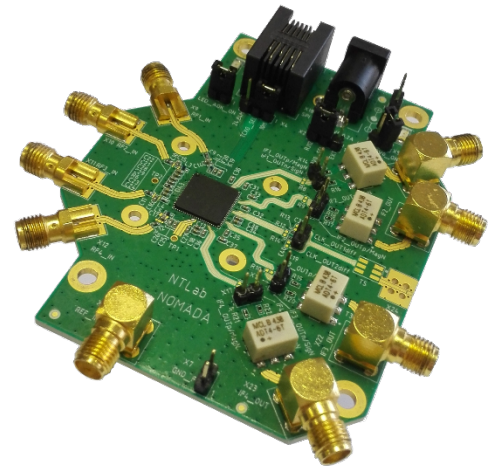


## 1 OVERVIEW

NT1065\_EVK is an evaluation platform for performance and capabilities demonstration of NT1065 "Nomada": 4-channel GPS/GLONASS/Galileo/Beidou/IRNSS/QZSS L1/L2/L3/L5 band RF Front End. It is suitable the most for in-lab examining with measurement equipment like spectrum analyzer, oscilloscope, network analyzer and etc, but also it has connectors for wiring to external development platforms.

## 2 KEY FEATURES

- IO ports:
  - Every channel individual RF input with active antenna supply option
  - Every channel IF output ready to connect either as digital 2-bit CMOS or differential analog signal (single ended is also available as assembly option)
  - External reference frequency input (TCXO)
  - CLK output ready to connect either as CMOS or LVDS (single-ended sinewave is also available as assembly option)
- On-board reference frequency sources:
  - 10 MHz 0.28ppm high-stability TCXO
  - 24.84 MHz 1.5ppm TCXO
- Comprehensive software and manual:
  - GUI for NT1065 registers access (Windows XP/ Windows 7 compatible)
  - Configuration examples
  - Complete NT1065 "Nomada" user guide
  - Database of PCB reference design



### 3 STRUCTURE

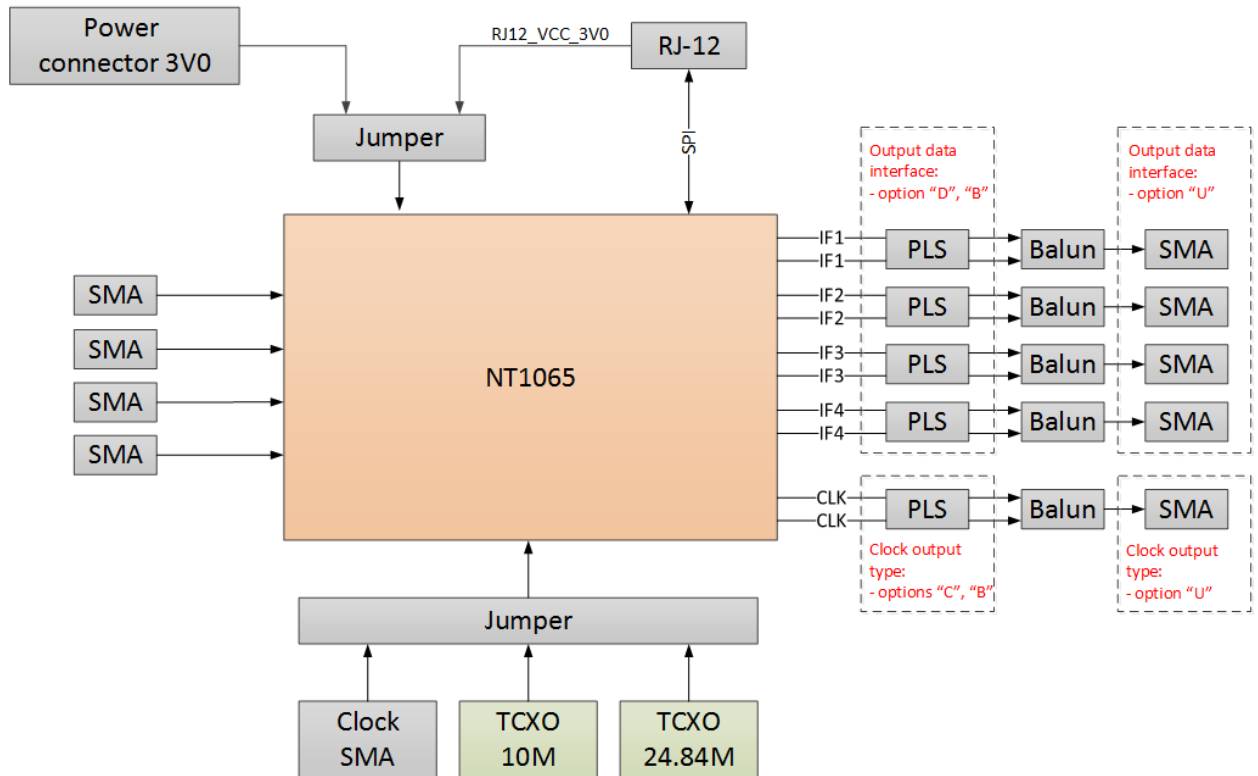


Figure 1: Block diagram

