



JTAG Probe Open Debugger

Overview

The JTAG Probe open Debugger, jPOD, is an enhanced GNU debugger (GDB) for NXP (Freescale) 32 and 64 bit CPU based targets using JTAG/COP or OnCE. It connects to the host computer by Ethernet. JTAG/COP or Nexus cables provide an interface to the target processor. The first jPOD product being introduced is jPOD3000.

Features

- Source level debugging with GDB via BDM/JTAG interface
- Supports all CPU core speeds
- Allows debug code in cache, ROM, RAM, and FLASH memory
- Supports Linux kernel debugging
- Remote network debugging (GDB proxy)
- Built-in on-board programming of popular flash memories
- Additional debug and control commands
- Supports Linux hosts
- Supports 10/100 Ethernet network connection
- Supports USB 2.0 high-speed connection
- Visual indicators for Network activity and Target state
- USB powered
- 3 years hardware warranty and 1 year software warranty support



Supported Target Families

- | | |
|--------------------------------|---------------------|
| • MPC5xx/8xx | Part No. USI37-3104 |
| • MPC55xx | Part No. USI37-3106 |
| • MPC7400/7410/MGT5100/MPC83xx | Part No. USI37-3108 |
| • MPC744x/745x/86xx | Part No. USI37-3110 |
| • MPC85xx/P10xx/P2020 | Part No. USI37-3112 |
| • QorIQ P3/P4/P5/T-Series | Part No. USI37-3113 |
| • ARM7/9/9e | Part No. USI37-3114 |
| • ARM11/Cortex-A8/M3 | Part No. USI37-3116 |



jPOD3000



GDB
The GNU Project
Debugger

Software Debug Capabilities

Besides host GDB functions the jPOD3000 includes:

- Setup and Configuration (local and remote)
- Initialization (Host and Target)
- FLASH
- Register
- GDB Interaction
- Telnet
- Installer/Updater

Specification

Power Supply:	5VDC @ 500mA (USB)
Probe power from target:	Less than 50mA
Target voltage levels supported:	1.2V to 3.3V; 5V tolerant
IO Ports:	10/100 Ethernet, RS232, USB, JTAG
Operating temperature:	0 to 40 C
Storage temperature:	-40 to 70 C
Relative Humidity (non-condensing):	5% to 95%
Size:	8.5 x 4.75 x 2.33 in. (217 x 121 x 60 mm)
Certifications:	CE; RoHS

jPOD3000 Options

jPOD3000 with US Power Supply Part No. USI37-3000

Target Connections (includes adapters and cables)

JTAG/COP	SKU # USTAC-COP
OnCE	SKU # USTAC-STC