



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

ARM and other architecture are available, contact us.

MPC5xxx/8xx	MGT5100, MPC51xx, 52xx, 55XX (Nexus Class 1, no VLE support)
MPC74xx/86xx	MPC7400/10, 744x, 745x, 8640/D, 41/D, PPC6xx/7xx
MPC82xx	8245, 47, 48, 70, 71, 72, 75, 80
MPC83xx	8306s, 8, 11, 13, 14, 15, 21, 23, 43, 47, 49, 58, 60, 78, 79
MPC85xx	8533, 35, 40, 41, 43, 44, 45, 47, 55, 67
Qonverge	B4420, B4460, B4860, BSC9131, BSC9132, G1110, G4860
QorIQ_LS	LS102XA, 104XA, LS2040A, 2045A, 2080A, 2085A
QorIQ_Px	P1010 to 17, 20 to 25, 2010, 20, 40, 41, 3041, 4040, 80, 5010, 20, 21, 40
QorIQ_Tx	T1020, 22, 23, 24, 25, 40, 42, 2080, 81, 4160, 4240



jPOD3000

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



GDB
The GNU Project
Debugger

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

Ordering Information

jPOD3000:	SKU # USI01-10201K
Cable Kit - USB, Ethernet & Serial:	SKU # USI06-60301K
Power Supply, International:	SKU # USI07-20301K

Target Connections (includes adapters and cables)

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

Availability in the Americas Q3 2016