

OMRON LUNA

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NetBSD/luna68k

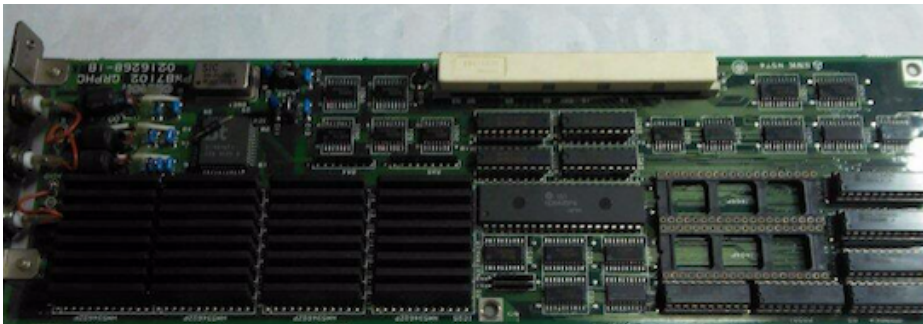
*NAGOYA *BSD Users' Group & ASIABSDCon 2017*

▼ 1. History and Background of LUNA

The LUNA workstation family was manufactured by OMRON corporation in the early 1990s. These hardware had two different operating systems; a 4.3BSD(UniOS-B) derivative and a SVR2(UniOS-U) variant. X(X11R2-OMRON) and uwm and Wnn(Japanese input system) installed on this system. LUNA is one of the first systems introduced Japanese environment in early UNIX era. After that, porting 4.4BSD.

▼ 2. Highlight1

LUNA framebuffer is designed in '1,4 or 8 planer format', not 'packed pixel format.' X support only 1bpp, However mlterm-fb(Multi Lingual TERMinal emulator frame buffer mode) supports 4bpp or 8bpp via NetBSD wsfb console driver. mlterm was written by Araki Ken. LUNA framebuffer support by him and @tsutsui.



▼ 3. Highlight2

LUNA has HD647180XP I/O processor and YM2149 Programmable Sound Generator. HD647180XP is z80 compatible processor. Userland Software access HD647180XP and YM2149 via ioctl and mmap. Have you already understood? LUNA is ultimate PSG(similar to NES sound) player!

