BIOS settings - D830 (nVidia NVS 135m)
Started by Hervé, Oct 31 2012 04:23 PM

Hervé	Posted 31 October 2012 - 04:23 PM

Here are BIOS settings that are known to work on D830 with nVidia Quadro NVS 135m GPU under SL, Lion and Mountain Lion. These settings were tested and verified with BIOS A16. They are probably valid for models with Intel Crestline X3100 or nVidia Quadro NVS 140m, but I don't possess any of those to verify this.

Onboard Devices:
. Integrated NIC = enabled
. Internel modem = enabled
. External USB ports = enabled
. Parallel port = ECP
. Serial port = COM1
. PC Card and 1394 = enabled
. SATA Operation = AHCI
. Module Bay Device = Enabled
. Flash Cache Module = On or Off
. ASF Mode = Off
. Microphone = Enabled

Video:
. Ambient Light Sensor = Off
. Brightness = max
. Brightness (AC) = max
. Primary Video = Onboard Video

Security:
. Admin Password = not set
. System Password = not set
. Internal HDD PW = not set
. Password Change = Permitted
. Password Bypass = Off or Reboot & Resume Bypass (or any other value)
. Wireless Switch Change = Denied
. Wi-Fi Catcher Change = Denied
. CPU XD Support = Enabled
. Signed Firmware Update = Disable
. TPM Security = Off
. TPM Activation = Deactivate
. Computrace® = Deactivate

Performance:
. Multi Core Support = Enabled
. Dynamic Acceleration = Off
. SpeedStep Enable = Enabled

Power Management:
. Auto On Mode = Off
. Auto On Time = xxxxxx
. USB Wake Support = Enabled (allows waking from USB when laptop is on mains only)
. Wake on LAN/WLAN = Off

Docking:
. Undocking Method = Hot Undock

. PCI Slot Monitoring = Enabled Silent

. Universal Connect = Enabled

POST Behavior:

. Adapter Warnings = Enabled

. Fn Key Emulation = Scroll Lock

. Fast Boot = Minimal

. Virtualization = Enabled

. Keypad (Embedded) = Fn Key Only

. Mouse/TouchPad = Touchpad-PS/2

. Numlock LED = On

. USB Emulation = Enabled

Wireless:

. Internal Bluetooth = Enabled

. Internal Wi-Fi = Enabled

. Internal Cellular = Enabled

. Wireless Switch = All

. Wi-Fi Catcher = Enabled

. LAN/Wi-Fi Auto Switch = Off

The above settings are compatible with sleep/wake mode of operation and use of Wireless on/off switch. BT + Wifi services resume on wake + wireless switch re-activation (Wifi requires manual network re-selection after the latter).

GarsdeGatineau   Posted 04 November 2012 - 08:12 PM

I have the exact same configuration but the integrated NIC doesn't resume after sleep. Wireless works no issue. Also, wake-on-lan from sleep or power off doesn't work, even while enabled in the bios. Does it work for you? Any idea what it could be?

Merci!

Hervé   Posted 05 November 2012 - 09:42 PM

I won't have access to a D830 before next week. From memory, Ethernet NIC worked after sleep. No problem re: power off either. Wake on LAN was disabled and I never use that, so can't comment on that point.