

Elite Silicon USB-over-Ethernet Technology

E2868/3868 series IC

- ✓ The perfect and most cost efficient solution to include almost any USB device into your network
- ✓ IC solution for USB over Ethernet
- ✓ Easy to integrate into your existing USB design

Upgrade your USB application and add an Ethernet Interface
or
Connect many USB devices to your network

The E2868 / 3868 series is an IC solution (SoC) made available in low cost package. It is based on a high-performance processor architecture that integrates many system-level functions such as an 10/100/1000 Mbase-Tx Ethernet PHY and controller, USB2.0 PHY and controller, efficient microcontroller, embedded ROM and RAM.

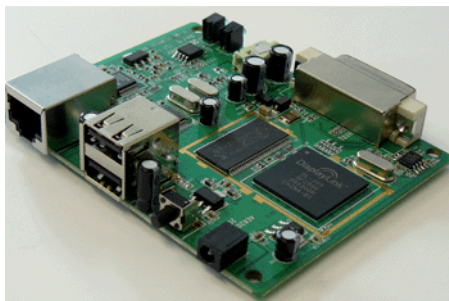


Features

- Single chip Network USB Server total solution
- State-of-the-art technology
- Low-cost
- Trouble free installation: Installer for Windows XP, PnP-X for Windows Vista, Bonjour for Mac OS X, WIN7
- Live device status monitoring via both web browser and application software
- Embedded USB 2.0 host controller and transceiver, totally compliant with USB1.1/USB2.0 (Hi-speed) specification
- Embedded Ethernet 802.3/3u transceiver, compliant with 100BASETX and 10BASE-T PMD level standards (E2868 only)
- Supports RGMII for direct connection to a Gigabit capable PHY (E3868 series)
- Supports MDI/MDIX auto crossover function (Auto-MDIX)
- Supports majority Ethernet protocols TCP/IP, UPnP, Bonjour
- Supports LPD/LPR printing on Windows, LINUX and Mac OS
- Integrates many system level functions such as an 10/100Mbase-Tx Ethernet PHY and controller, USB2.0 PHY
- Supports DHCP, configures IP Address automatically
- **Supports USB 2.0 full- & high-speed devices**
- **Supports Interrupt, Control, Bulk and Isochronous USB transfers**
- WHQL certified software - no proprietary drivers

Applications

A/V over Gigabit Ethernet Adapter



	E2868M1	E2868M4	E3868M1	E3868M4
10/100 Mbit Ethernet	✓	✓	✓	✓
Gigabit Ethernet			✓	✓
Integrated PHY/Transceiver	✓	✓		
Auto-MDIX function support	✓	✓		
External Ethernet Transceiver required			✓	✓
USB 4port Hub support		✓		✓