OPENWRT EMBEDDED SOFTWARE DEVELOPMENT
OpenWRT Embedded Software Development

A US based startup in Wireless Mesh technology, was looking for the realization of Embedded Wireless Mesh Networking Element using off-the-shelf Hardware components and open source Software components like OpenWRT, open-mesh BATMAN, openUPS, LUCI, etc.

The Solution

- Technology: OpenWRT, 802.11s (open-mesh BATMAN), openUPS, LUCI web GUI
- Build OpenWRT distribution for Aaeon TF-GENE-TC05-A10 along with LUCI web GUI using GNU tools
- Enabled, Configured and Tested WAN port, LAN port, DHCP-Server, DHCP-Client, Port forwarding, VPN, USB 3G modem using LUCI web GUI
- Integrated drivers for Wireless module RA-71A radio card. Configured and Tested the Access Point functionality using LUCI
- Integrated drivers for mini-box openUPS hardware board and tested the battery charge status using Nut driver
- Integrated 802.11s open-mesh BATMAN implementation. Configured and Tested the mesh functionality.

Results / Outcomes

- Embedded Wireless Mesh Networking Element was developed, tested and released
THANK YOU

For More Details, Let’s Connect

Gadgeon Systems Inc.
881 Yosemite Way, Milpitas, CA 95035, USA

CONTACT - USA
Mani Ram - Vice President - Solutions and Technology
📞 +1-678-900-0874 | 📧 mani.ram@gadgeon.com

Gadgeon Smart Systems Pvt Ltd.
VI 405/E1, Fathima Tower, Maleppally Road, Thrikkakara PO, Kochi, Kerala, PIN: 682021, India

CONTACT - INDIA
Hari Nair - CEO: +91 9895 01 58 80
📞 +91 989-501-5880 | 📧 hari.nair@gadgeon.com

Gadgeon Europe
Antwerpsesteenweg 124/54, 2630 Aartselaar, Belgium
📞 +32-475-233-947 | 📧 europe@gadgeon.com

✉️ sales@gadgeon.com