



ENET38xx-Z/99 G.fast Switch Controller Family

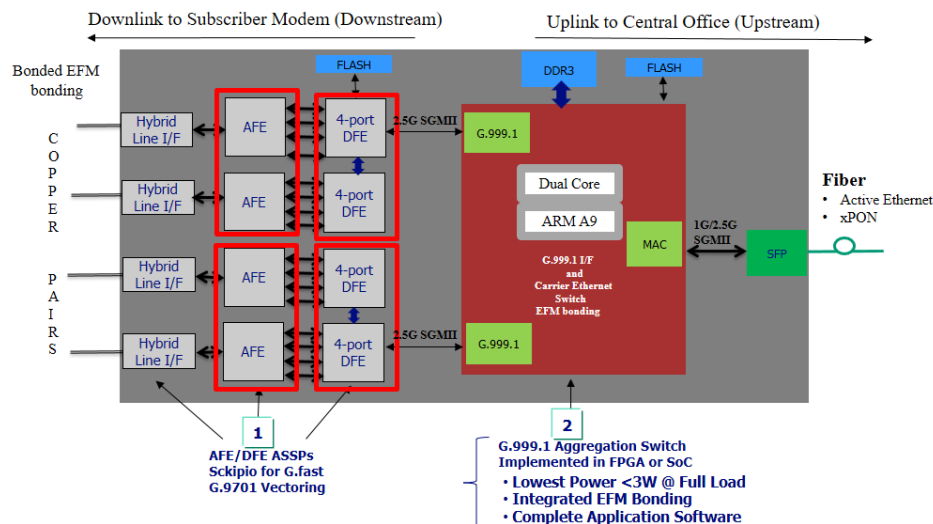
Product Overview

ENET38xxZ/99 is a family of fabric flow processors (FFP) for G.fast solutions, supporting Carrier Ethernet switch, OAM/CFM, BBF WT-301, G.999.1 channelized Ethernet and EFM bonding. ENET38xxZ/99 is implemented on Xilinx's Zynq7015/30, integrates dual-core ARM Cortex 9 CPU and programmable logic.

ENET38xxZ/99 is specially optimized for FTTdp G.fast market, supporting 16 to 24 G.fast modems. A scale-up version ENET48xxZ/99, based on ENET48xx platform, is capable to support up to 48x G.fast modems, through G.999.1 over 10GE interfaces.

Product Highlights

- Flexible interface support that can be customized to any port / interface configuration
- Wire speed deterministic performance
- Enhanced flexibility, configurability, and programmability including field upgradeability
- Carrier Ethernet switching
- OAM/CFM – 802.1ag/ Y.17131
- EFM bonding for better link utilization
- G.999.1 Interface each support 8 to 16 G. fast modems
- MEF compliant advanced Traffic Manager includes support for flow policing and shaping per virtual port/ G.fast modem
- Extended buffer space through DDR3
- Low power consumption: less than 2.5W at 5Gbps (the best for Reverse Power Feeding)



ENET3850Z/99 - G.fast application

Software

- Open Flow 1.4 Agent integrated on the driver level
- OpenWrt
- Aricent ISS 8.3 ported