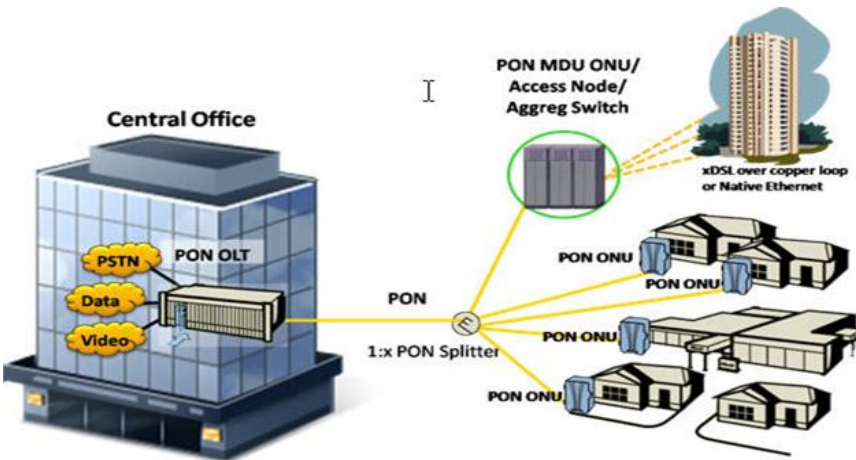


The Programmable Networks™

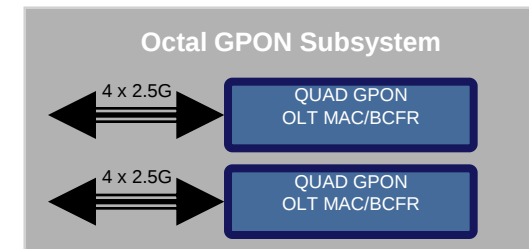
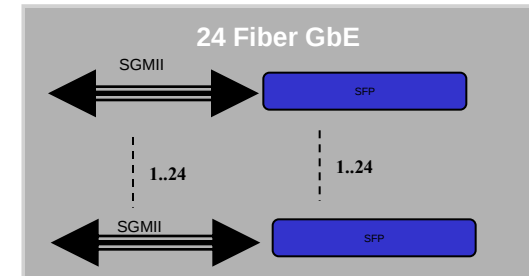
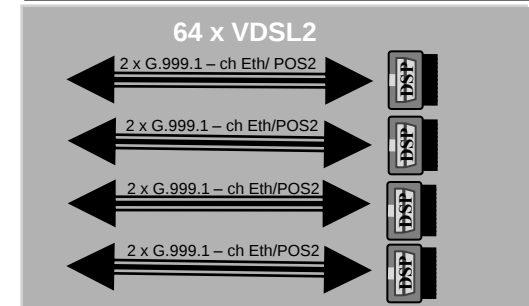
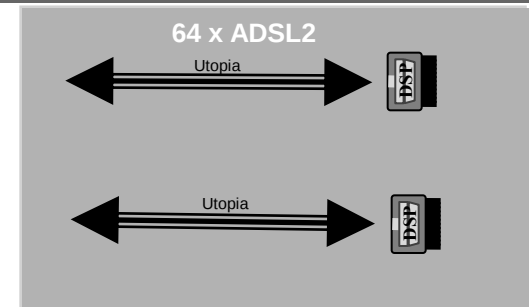
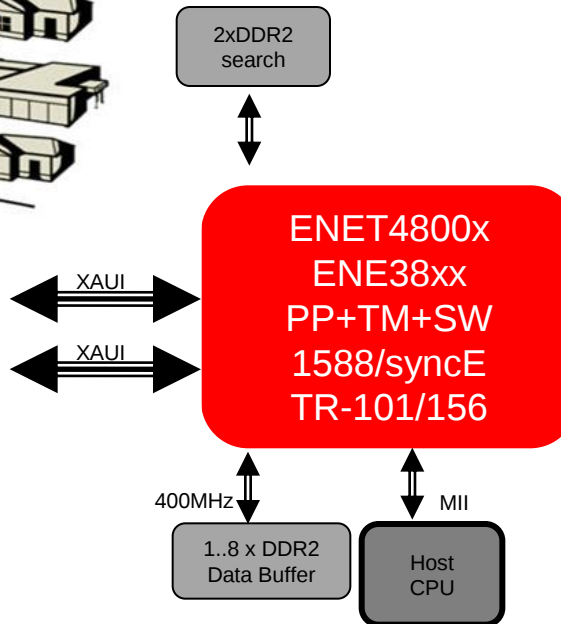
ETHERNITY
NETWORKS

MSAN (DSL, Ethernet, and PON)



One ENET SW and RTL serves all line cards

- Packet Processing
- TM
- Ethernet Switch
- TR-156 Compliant
- OAM/CFM
- 1588 end To End
- Sync E



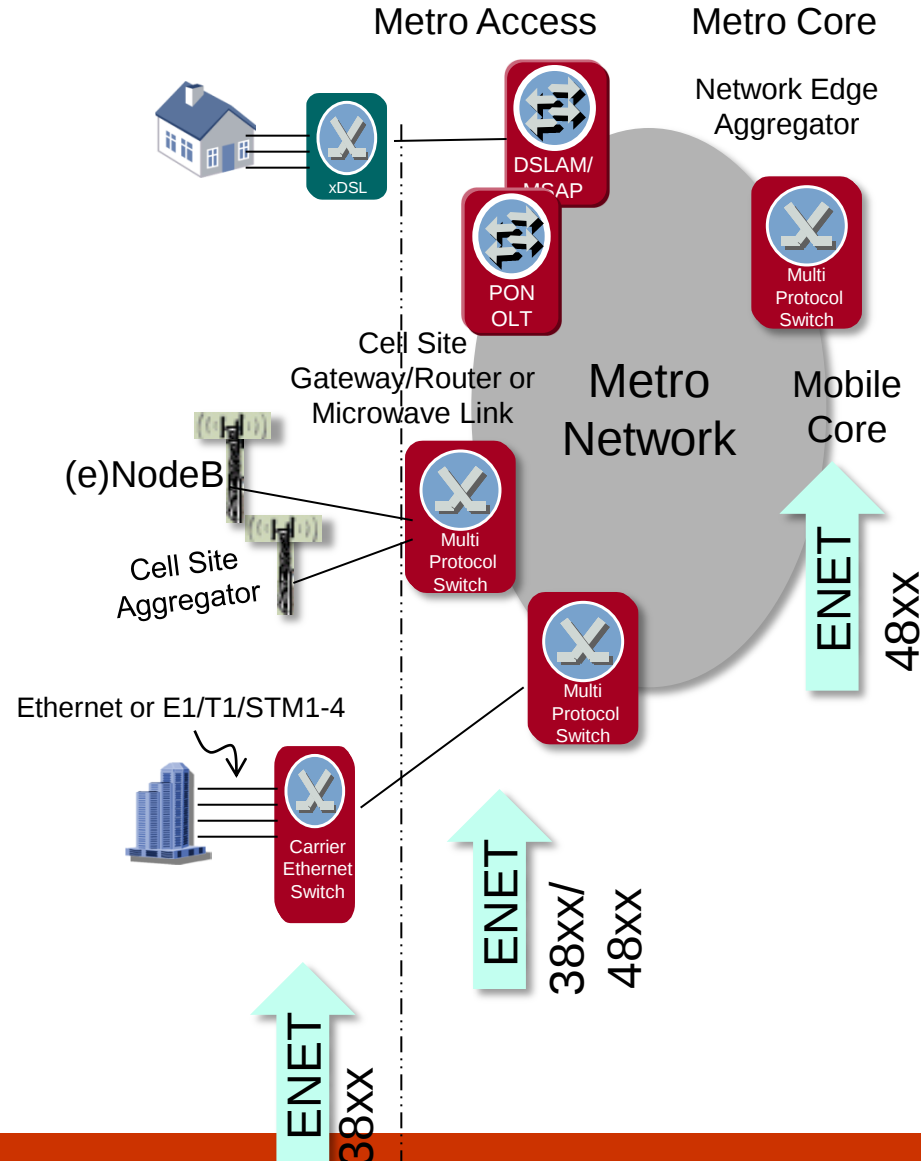
ENET Solution Summary

ENET Value Proposition

- Based on off the shelf FPGAs → **No end of life**
- **Single Platform** for all cards
- Enables customer **solution's differentiation**
- Scalable solution and flexible interface options
- **Extended flexibility** and **field upgradability**
- Protocol Independent deterministic performance
- #1 Fully featured Ethernet OAM solution on the market today
- Open Platform to enable
 - Customized functions
 - API interworking with 3rd Parties SDK

KEY FEATURES

Hierarchical Traffic Management
Intelligent Packet Processing / Search Engine
(T-)MPLS, PBB-TE/PBB
CGE OAM per Y.1731 & 802.1ag
PWE3
TR-101, TR-156 for Broadband Access
Ethernet bonding, IMA, MLPPP
1588 v2 and SyncE ready



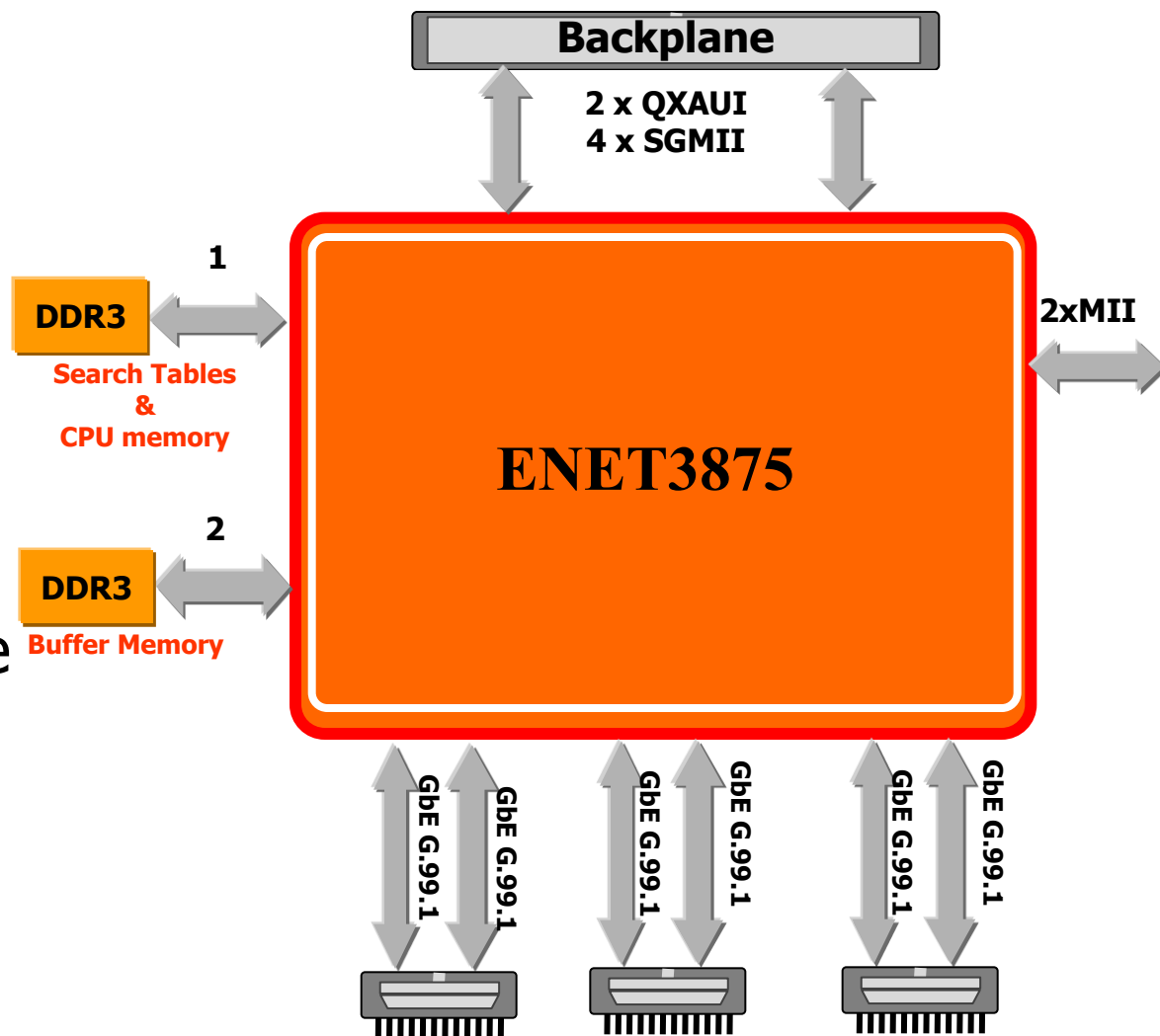
48 - VDSL Ports Line Card 6 x G.999.1 Channelized Ethernet

➤ Supports:

- TR-101
- Ethernet Bonding
- ATM & IP encapsulation
- G.999.1 channelized Ethernet interface

➤ Direct Backplane connectivity:

- SGMII
- XAUI



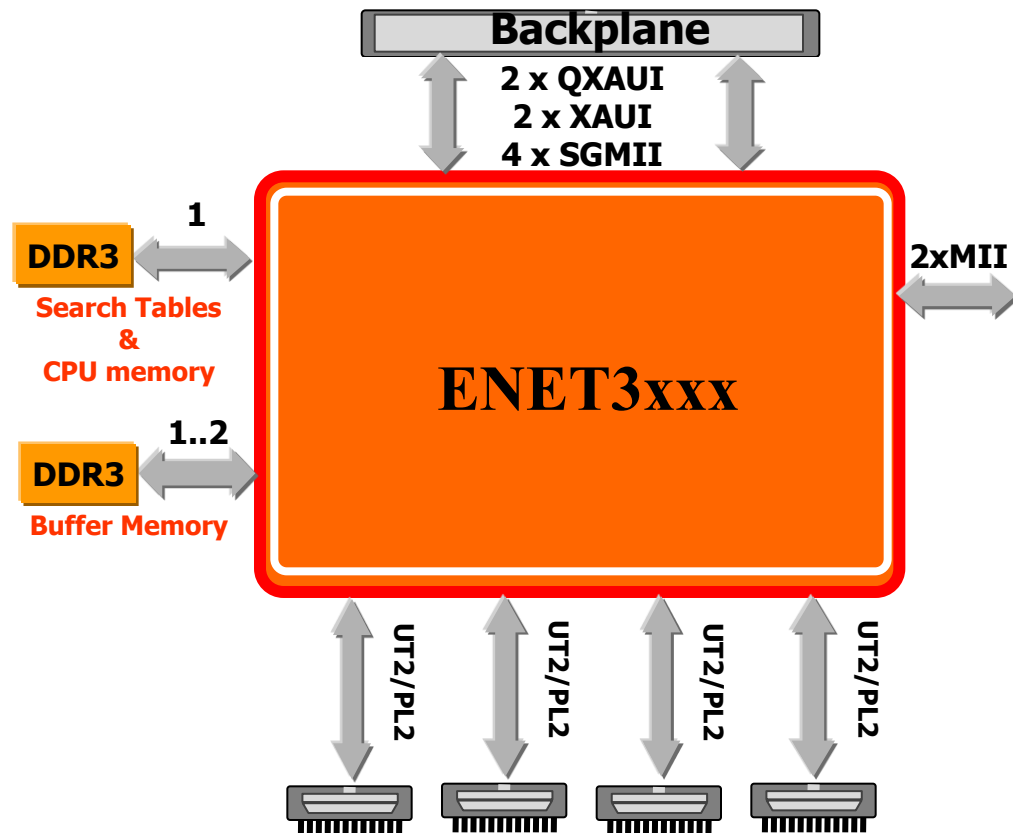
64 ADSL/48- VDSL Port Line Card

Supports:

- TR-101
- Ethernet Bonding
- ATM & IP encapsulation

Direct Backplane connectivity:

- SGMII
- XAUI



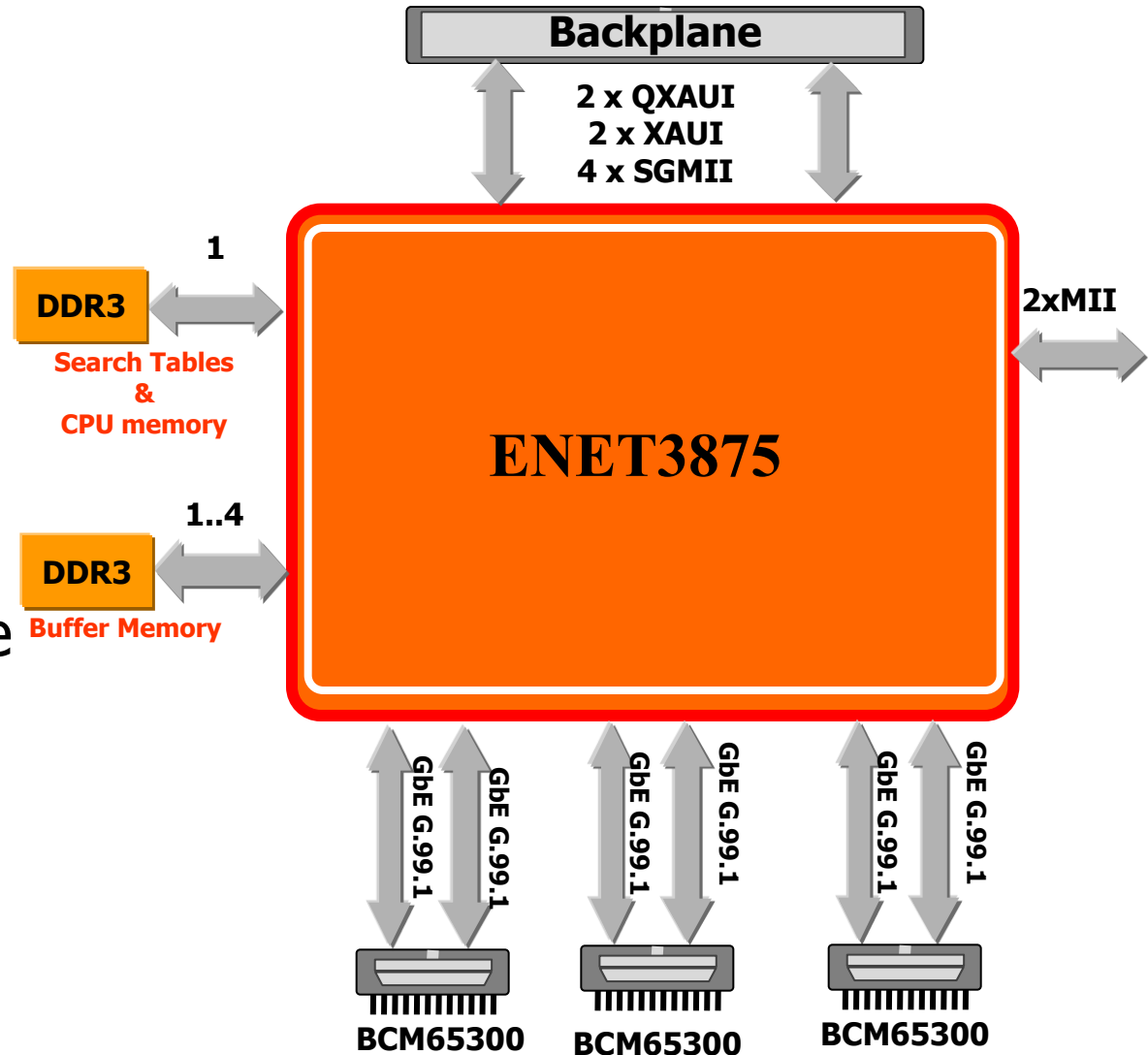
48 - VDSL Ports Line Card G.999.1 Channelized Ethernet

➤ Supports:

- TR-101
- Ethernet Bonding
- ATM & IP encapsulation
- G.999.1 channelized Ethernet interface

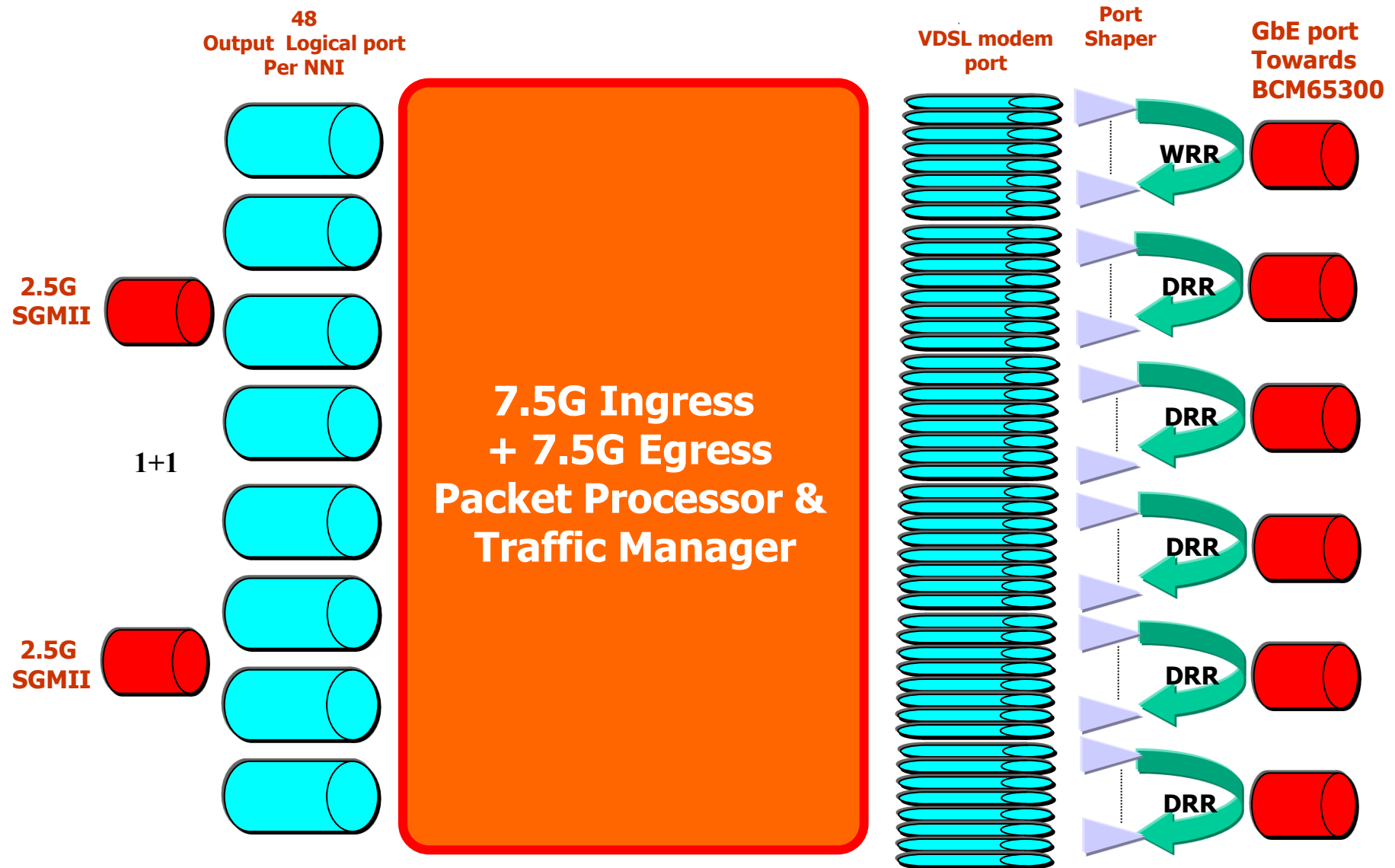
➤ Direct Backplane connectivity:

- SGMII
- XAUI



ENET3875

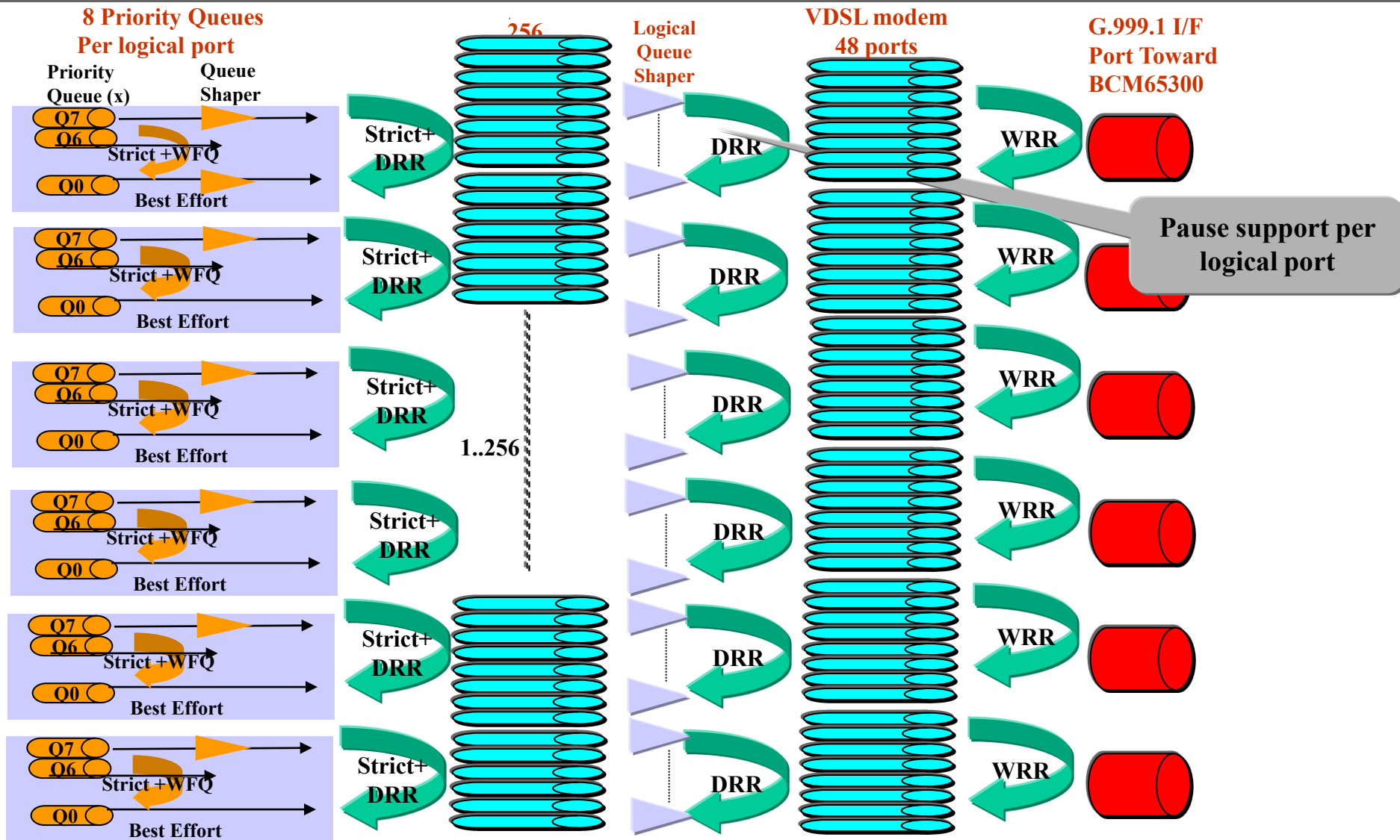
UNI Ports and Logical Ports



ENET3875

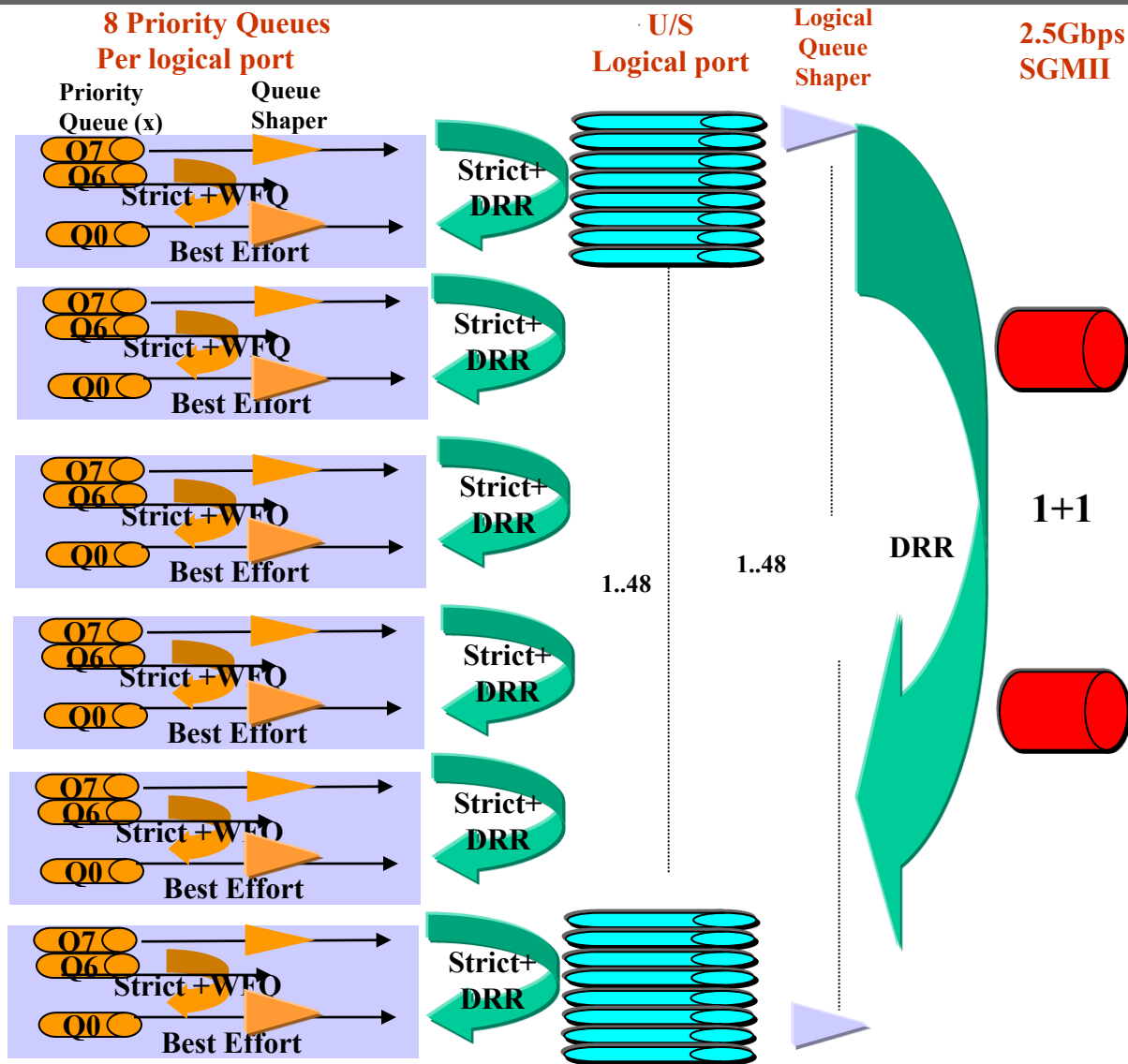
Ports and Logical Ports – D/S

4 Hierarchies



ENET3875

NNI Ports and Logical Ports – U/S



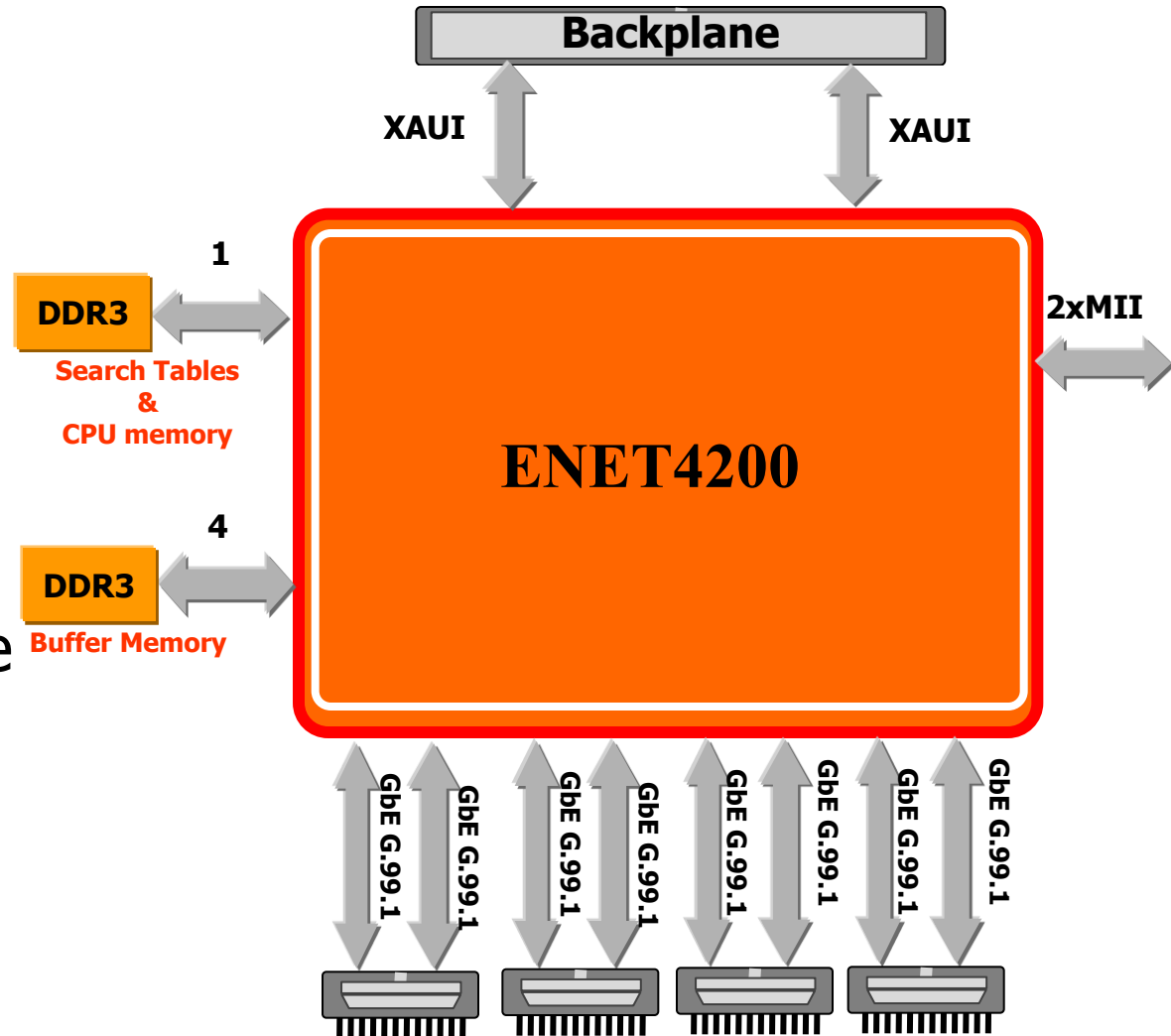
64 - VDSL Ports Line Card to 10G G.999.1 Channelized Ethernet

➤ Supports:

- TR-101
- Ethernet Bonding
- ATM & IP encapsulation
- G.999.1 channelized Ethernet interface

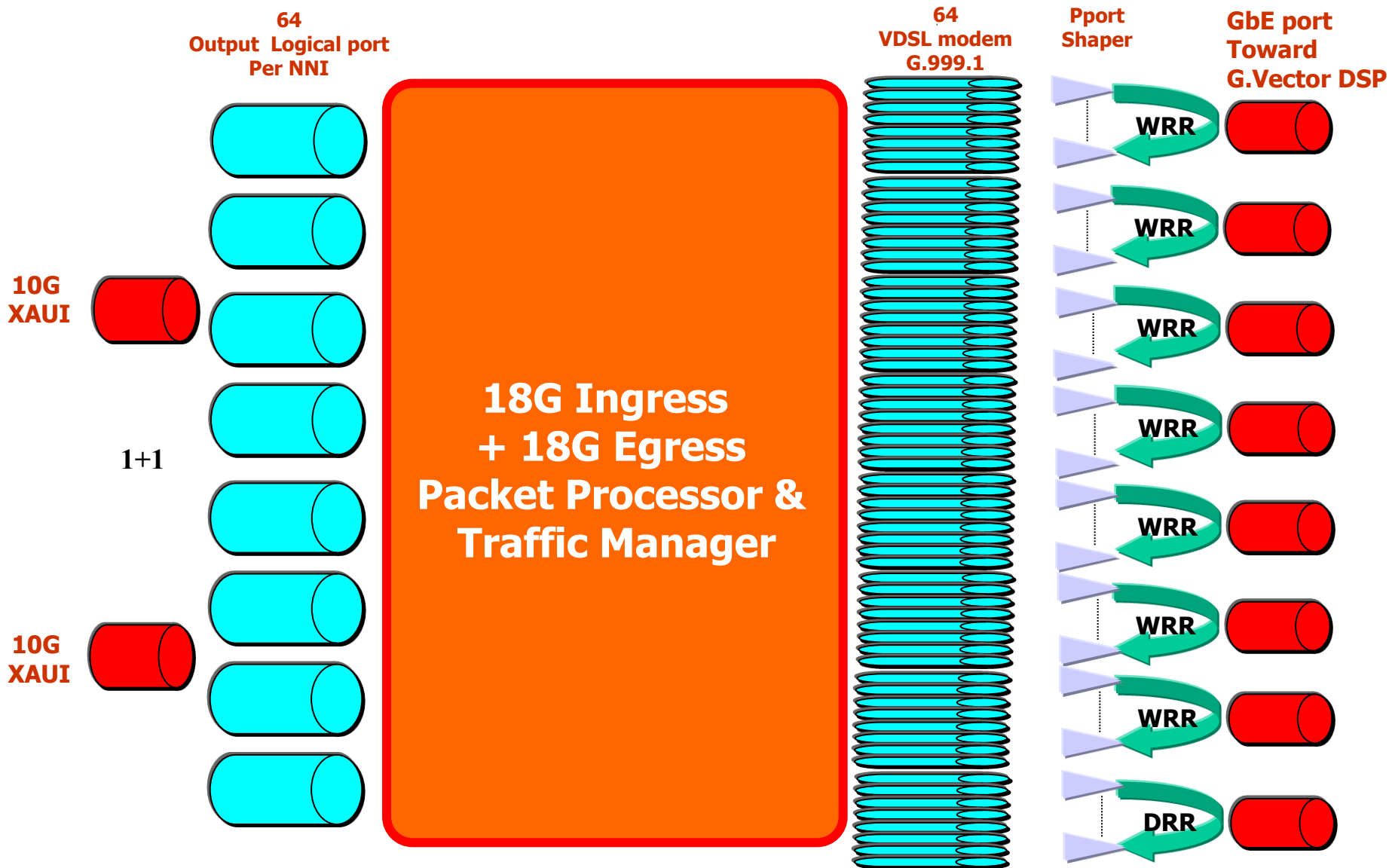
➤ Direct Backplane connectivity:

- SGMII
- XAUI



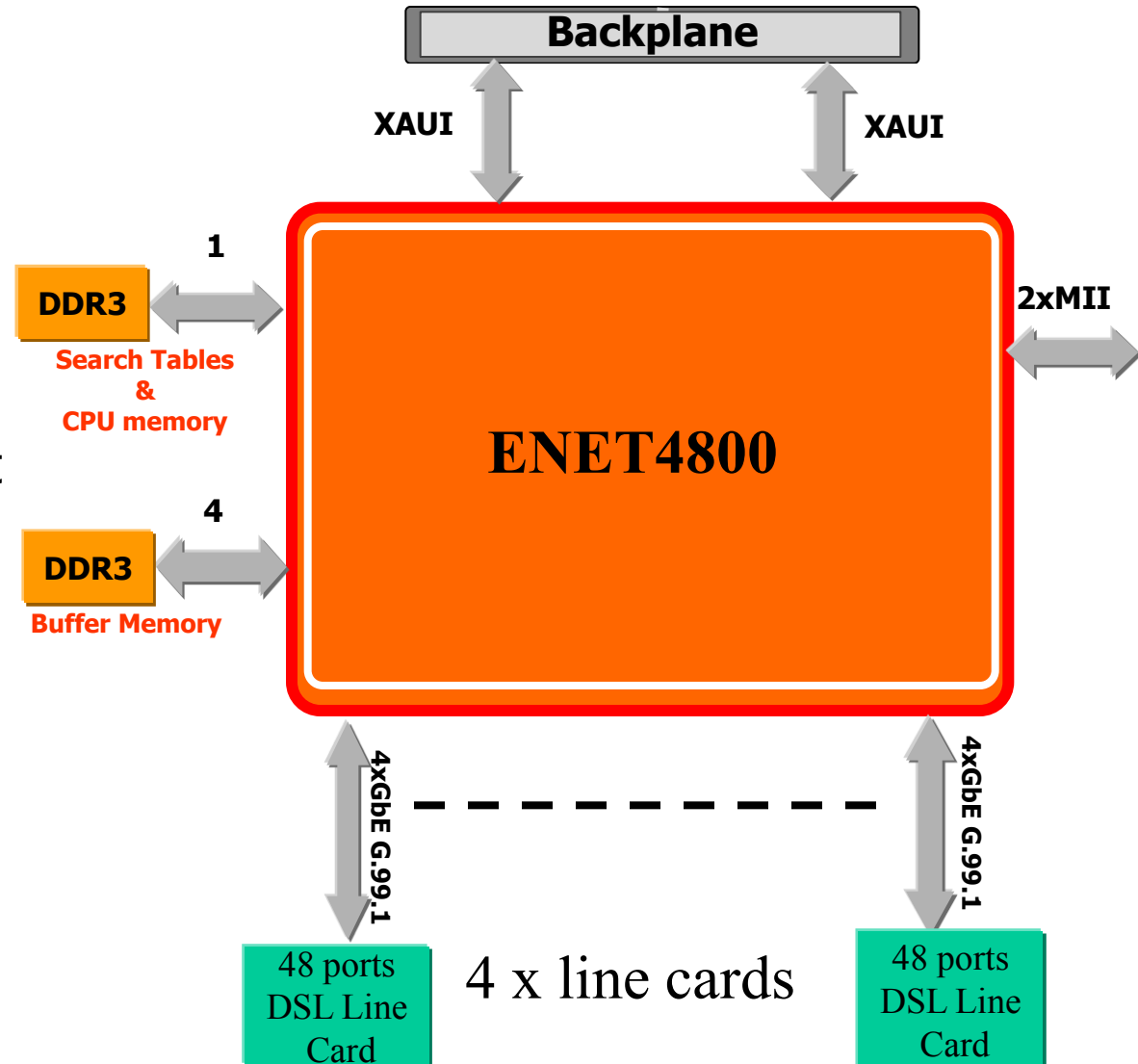
ENET4200

8 x G.999.1 to 10G



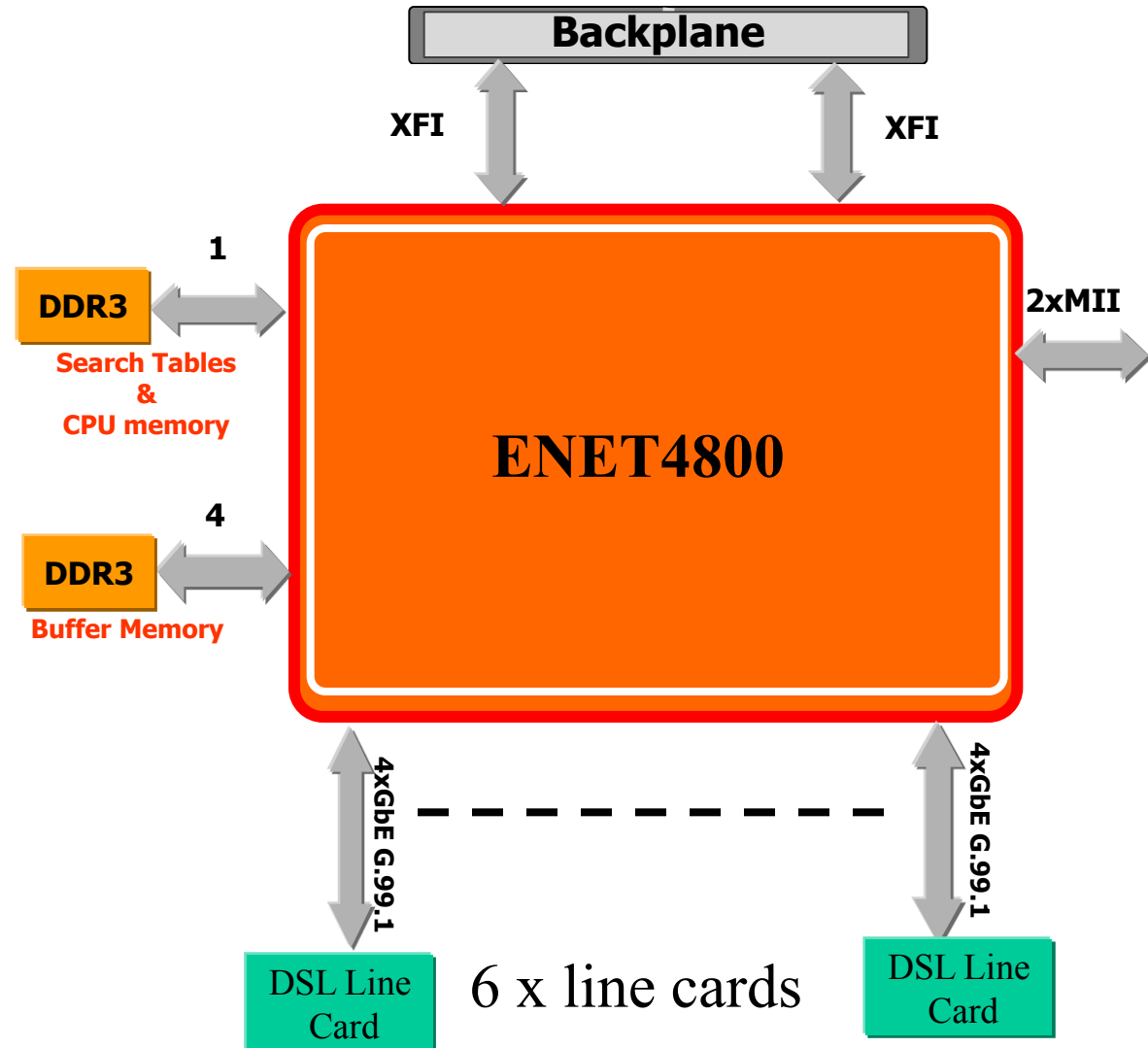
Central G.999.1 Aggregator

- supports:
 - TR-101
 - Ethernet Bonding
 - ATM & IP encapsulation
 - 24 x G.999.1 channelized Ethernet interface
- Direct Backplane connectivity:
 - SGMII
 - XAUI



Central G.999.1 Aggregator

- Ingress traffic
 - 10G from BP
 - 6G from Line cards
- Egress traffic
 - 24G to line cards
 - 6G to BP



20 x G.999.1 Aggregator

