

WELCOME



7950 XRS, 7750 SR INTERFACE UPDATE

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7750/7450 Product Family



7750 SR-12e **7750 SR-12** **7750 SR-7** **7750 SR-a8** **7750 SR-a4** **7750 SR-c12** **7750 SR-c4** **7450 ESS-12** **7450 ESS-7**

7.2 Tb/s HD 400G per slot FD	4 Tb/s HD 200G per slot FD	2 Tb/s HD 200G per slot FD	400 Gb/s HD 100G per IOM FD	200 Gb/s HD 100G per IOM FD	90 Gb/s HD	90 Gb/s HD	4 Tb/s HD 200G per slot FD	2 Tb/s HD 200G per slot FD
12 slots (9 user slots) 1/2 rack 22 RU	12 slots (10 user slots) 1/3 rack 14 RU	7 slots (5 user slots) 8RU	(2) IOM slots 4 MDAs per IOM 7RU	(1) IOM slot 4 MDAs per IOM 5RU	12 compact slots or 3 full slots 5RU	4 compact slots 3RU	12 slots (10 user slots) 1/3 rack 14 RU	7 slots (5 user slots) 8 RU
Terabit IP/MPLS multiservice router	Terabit IP/MPLS multiservice router	Mid-scale IP/MPLS multiservice router	Fabricless Mid-scale router ETSI 300mm compliant	Fabricless Small-scale router ETSI 300mm compliant	Small POP router for SPs & Verticals	Small POP router for Business services edge	Ethernet, MPLS, IP	Ethernet, MPLS, IP

7950 Product Family



7950 XRS-40	7950 XRS-20	7950 XRS-20 SA	7950 XRS-16c
32 Tb/s	16Tb/s	16Tb/s	6.4 Tb/s
Two 19" racks	One 19" rack	One 19" rack	2/3 of a 19" rack
40 Slots	20 Slots	20 Slots	16 Slots
Multi-Chassis	Multi-chassis capable	Stand-Alone	Stand Alone

Scalable

- Ultra-high system capacity

Versatile

- All elements upgradable & future-ready

Efficient

- Smallest energy footprint at the lowest cost per bit with FP3 silicon

ALCATEL-LUCENT BREAKTHROUGH FP3 CHIPSET

THE INDUSTRY'S 1ST TRUE 400G NETWORK PROCESSOR

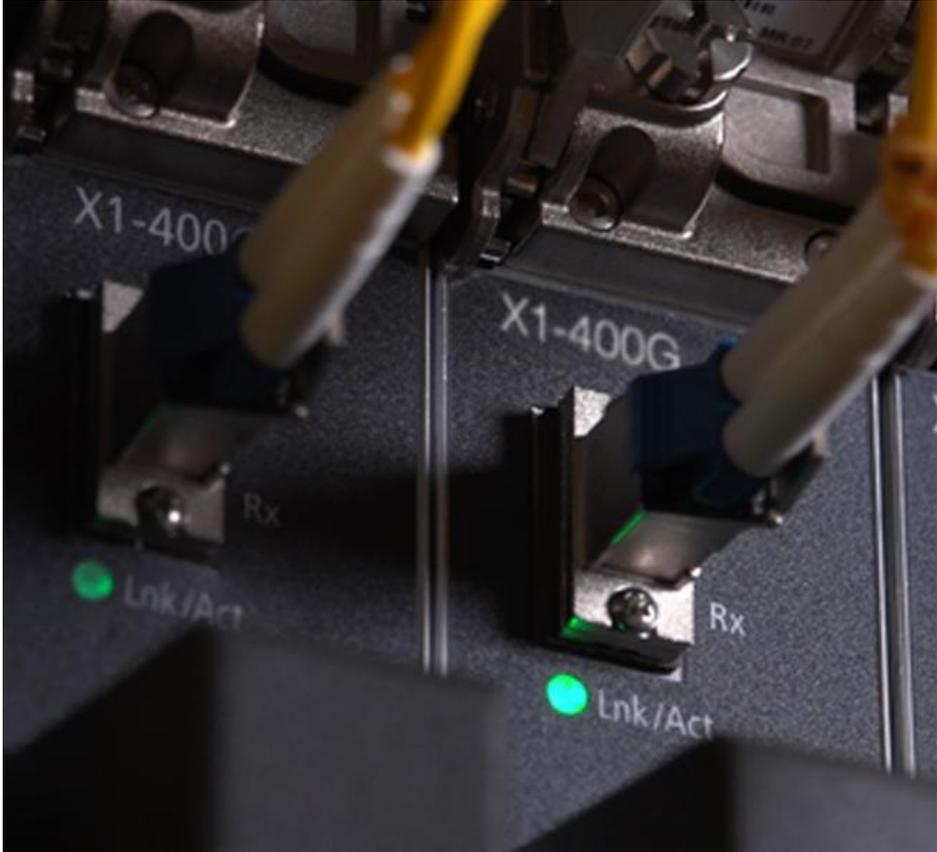
- Strong ALU Pedigree - Over a Decade of Network Processor design experience
- The 1st True 400G NP - Three year development culminating in 1st products in 2011
- Full Compatibility - Ensures SW commonality, feature leverage, quality
- FP3: Deterministic packet performance without compromise

	FP	FP2	FP3
Year	2003	2007	2011
Speed	10Gbps	100Gbps	400Gbps
Technology	180nm	90nm	40nm
RISC Cores	30	112	288
Core Frequency	190MHz	900 MHz	1.2 GHz

FP3 is 100% ALU - Not a 3rd party device with just our name on it...

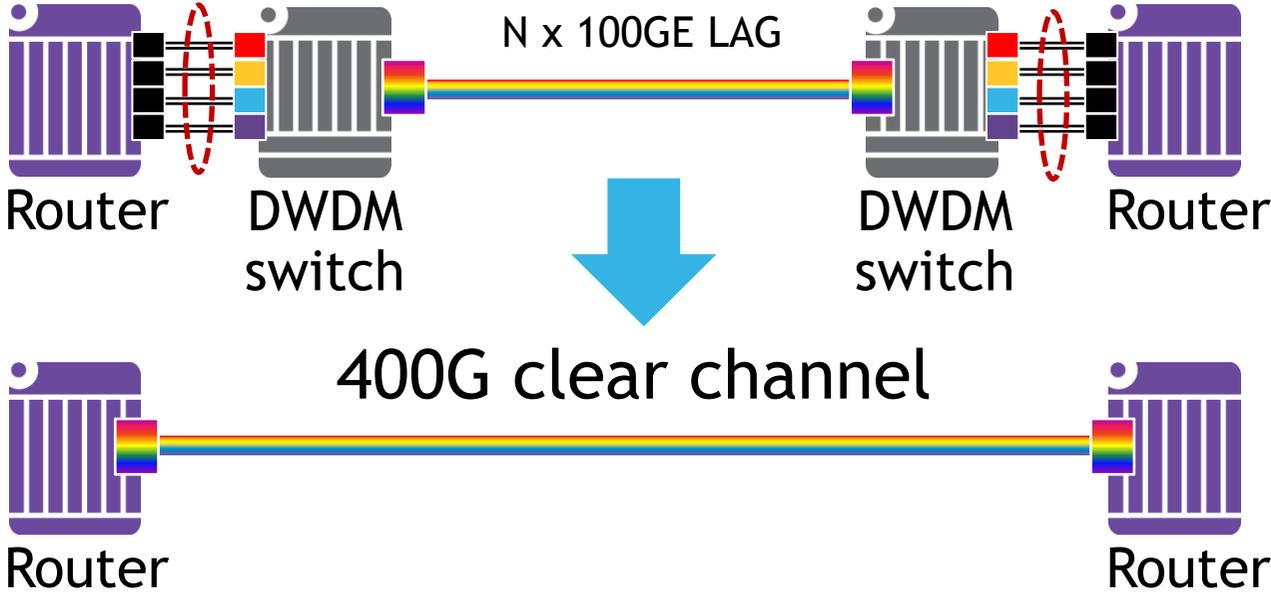
INDUSTRY FIRST! 1x400G SOLUTION

- 1 port 400G clear channel line card for the 7950 XRS and 7750 SR-12e
 - 1 x 400G XMA form factor for 7950
 - 1 x 400G IMM form factor for 7750 SR-12e
 - Availability in 2H'15
- Deployable with existing XRS switch cards and existing SF/CPM5
 - No system hardware upgrades required.
- Powered by Alcatel-Lucent's proven 400G FP3 routing silicon
 - P3 sees 400G flows: this is our key differentiator
 - Re-uses the same board layout as the existing 4x100G IMM for 7750 SR-12e and 4x100G XMA for 7950 XRS



4x link speed to efficiently transport video and big data traffic

WHY 400G CLEAR CHANNEL?



- 400G Clear Channel avoids the need to aggregate traffic over multiple 100G links
 - Eliminates some use cases for a 2-box router/DWDM switch
 - Only one 400G port and a single fiber to lease and manage
 - For operators that are not fiber rich, unlocks huge new interconnect options
 - Provides an attractive alternative to N x 100G load balancing via LAG
- Leverage the comprehensive SR-OS feature set → 400G with rich features!

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