PLAN AND DESIGN

From Network Planning to advanced Network Professional Services, SIAE MICROELETTRONICA bring 60 years extensive experience in designing telecom networks and delivering solutions in the transport domain.



MAINTAIN AND SUPPORT

In SIAE MICROELETTRONICA we CARE about your network with full range of 24/7 Technical Support and Software Maintenance Services to protect telecom assets and assure networks are efficient, protect and fully operational.



contact us:

INTEGRATE AND

DEPLOY

You can benefit of SIAE MICROELETTRONICA's wide experience in **Network** Implementation to build and integrate networks successfully. From Site Engineering Services to Turn Key Project **Delivery** learn more about our comprehensive set of roll out services and System Integration.

-G-M-

siae microelettronica





PROFESSIONAL **SERVICES**

SIAE MICROELETTRONICA's iVeritas **Solutions** offers a valuable and holistic approach in **Network Assessment and Performance Optimization** delivering solutions able to revamp and maximize network performance keeping budget under control.

www.siaemic.com

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WIRELESS PRODUCT PORTFOLIO





AGGREGATION PLATFORM	CONNECTIVITY
AGS20 Aggregator 6GE	46 Gbps switching matrix; 2 x GE electrical; 2 x GE SFP (1 / 2,5 / 10Gbps); 2 x GE Combo (electrical / optical)
AGS20 Aggregator 10GE	46 Gbps switching matrix; 2 x GE electrical; up to 4 x GE SFP (1/2,5 Gbps); 4 x GE Combo with POE; up to 16xE1 native/PWE3; up to 2x STM-1 native
AGS20 Outdoor	4 x GE electrical with PoE; 2 x GE SFP (1 / 2,5 Gbps)

Microwave Platform	Frequency	ETSI	FCC	Modulation with ACM	Net Throughput	Connectivity
AGS20	4/42 GHz	up to 112 MHz	30/40* MHz	up to 4096 QAM	1Gbps per IF channel	4 x IF (ODU); 2 x GE electrical; 4 x GE SFP (1 / 2,5 / 10 Gbps); 2 x GE Combo (electrical / optical)
AGS20M	4/42 GHz	up to 112 MHz	30/40* MHz	up to 4096 QAM	1Gbps per IF channel	4 x IF (ODU); 4 x 10GE SFP+, 4xGE electrical, 2 x GE SFP; 8xE1 Native or PWE3
AGS20L	4/42 GHz	up to 112 MHz	30/40* MHz	up to 4096 QAM	1Gbps per IF channel	up to 8 x IF (ODU); 8 x 10GE SFP+; 8 x GE electrical, 8 x GE SFP (1 / 2,5Gbps), 16xE1 native/PWE3 + 4xSTM-1 depending on equiped card
ALFOplus	7/42 GHz	7/56 MHz	10/50* MHz	up to 1024 QAM	450 Mbps	2xGE electrical/SFP
ALFOplus2	6/42 GHz	2x14/112 MHz	2x20/80 MHz	up to 4096 QAM	2 Gbps	$2 ext{x}$ GE electrical with POE; $2 ext{x}$ GE SFP (1 / 2,5 Gbps)
TL	4/13 GHz	28/40 MHz	30/40 MHz	up to 512 QAM	up to 4 Gbps	up to 16xSTM-1; up to 4 x GE Combo (electrical / optical)
ALFOplus80HD	70/80 GHz	250/500 MHz	250/500 MHz	up to 64 QAM	up to 2 Gbps	2 x GE electrical/optical (1 / 2,5 Gbps)
ALFOplus80HDX	70/80 GHz	62,5/125/250/500 750/1000/2000 MHz	250/500/750 1000/2000 MHz	up to 256 QAM	up to 10 Gbps	2 x GE electrical with POE, 2x10 GE SFP+

* on the supported frequency bands

ALFOplus2

The RF Multicore Solution

ALFOplus2 is the next generation 2/4 Gbps full outdoor solution providing best TCO by boosting capacity and availability of the network and simplifies installation with fully integrated branching and zero indoor footprint. Thanks to its unmatched spectrum efficiency and larger channel selection (single 14 MHz up to 2x112 MHz channels) offers highest capacity and channel flexibility, with no restriction in channel allocations either adjacent and copolar with best in class system gain.



ALFOplus

High Capacity IP Ethernet Full Outdoor

ALFOplus combines compactness, best in class performances and lowest power consumption in a single efficient and cost effective fulloutdoor device. It offers up to 1Gbps transport capacity also liaising over higher modulation schemes of 1024 QAM.



ALFOplus

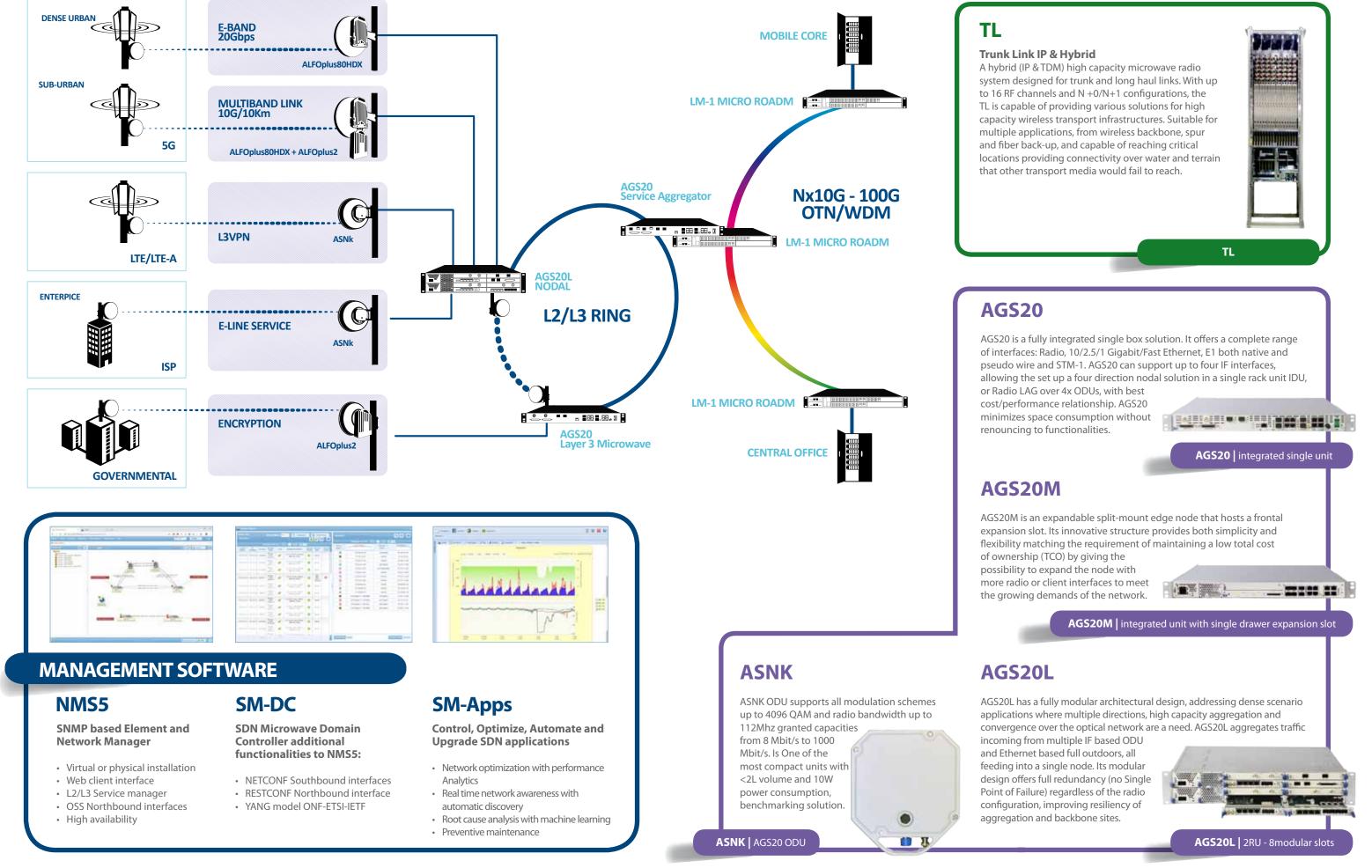
ALFOplus80HDX

E-Band Full Outdoor up to 20 Gbps

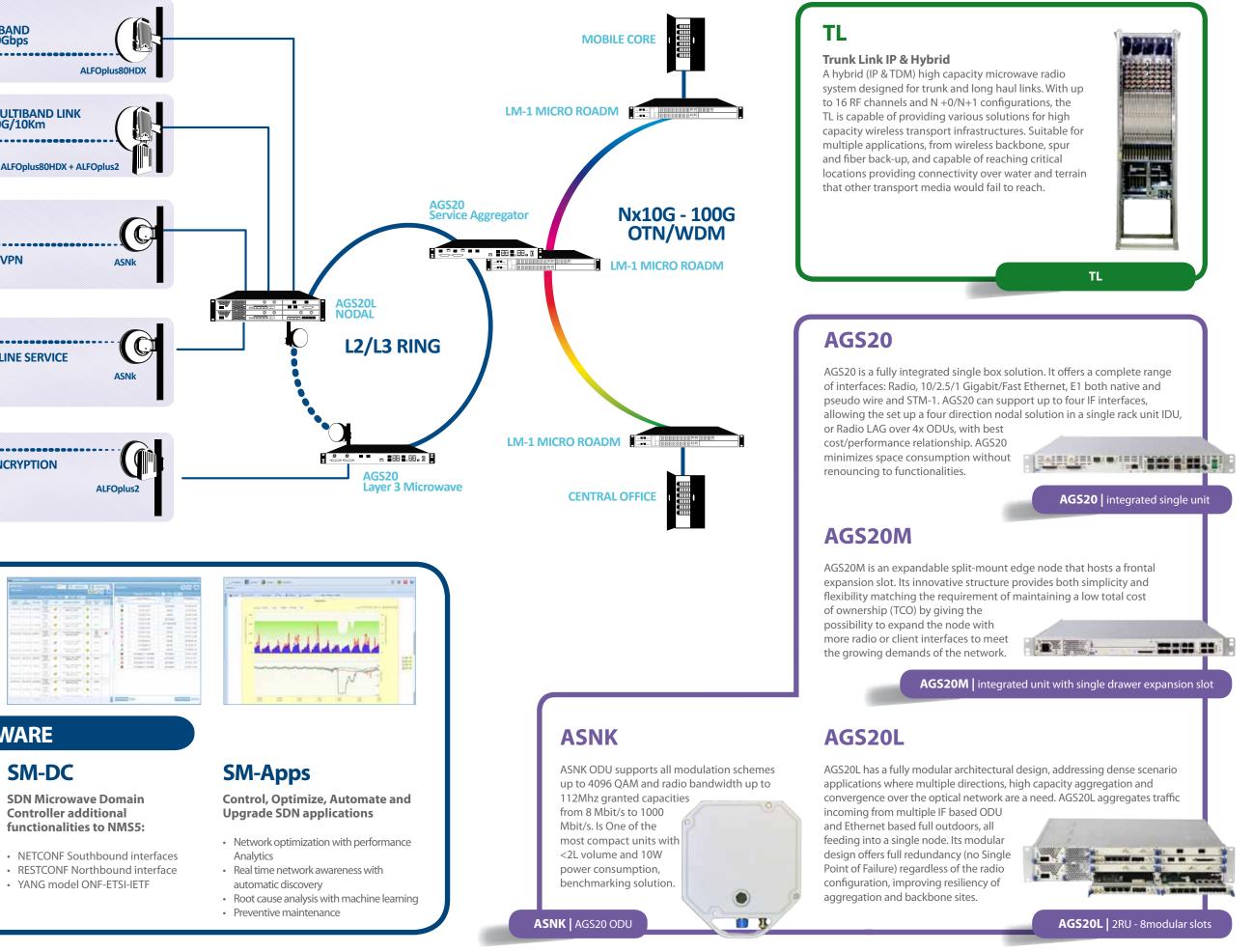
Whether in mobile, fixed or private networks, the E-band millimetre wave solution represents a fundamental technology tool bridging the gap between fibre high capacity systems and flexible cost effective wireless transmission. ALFOplus80HDX achieves 10 Gbps full-duplex ultra high capacity in a single unit, and 20 Gbps in a 2+0 XPIC configuration.



ALFOplus80HDX









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