Introducing ADVA AccessWave25™

25G DWDM extended-reach connectivity from any device with an SFP28 port

September 2022

25G demand is increasing day by day

- Operators are evolving their access networks and migrating to 25Gbit/s line rates between access and aggregation nodes to future-proof their networks and reduce cost per bit
- Furthermore, limited fiber resources are driving the demand for DWDM-based solutions and therefore for colored optical transceivers
- Operators need to find a solution that enables a smooth and cost-efficient upgrade to 25Gbit/s DWDM with minimal operational complexity and maximum reuse of existing 10Gbit/s-based infrastructure

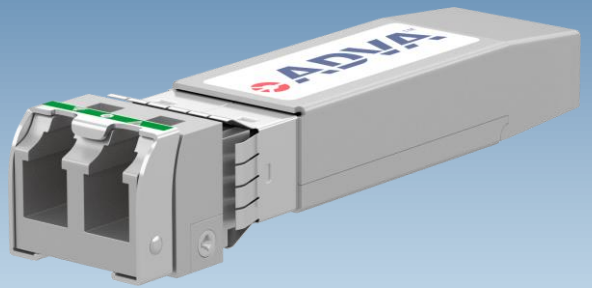
Boost capacity with cost-efficient 25Gbit/s DWDM pluggable optical transceivers

AccessWave25™

Our AccessWave25™ enables cost-efficient 25Gbit/s direct detection PAM4 DWDM connectivity with up to 40km reach from any device with an SFP28 port

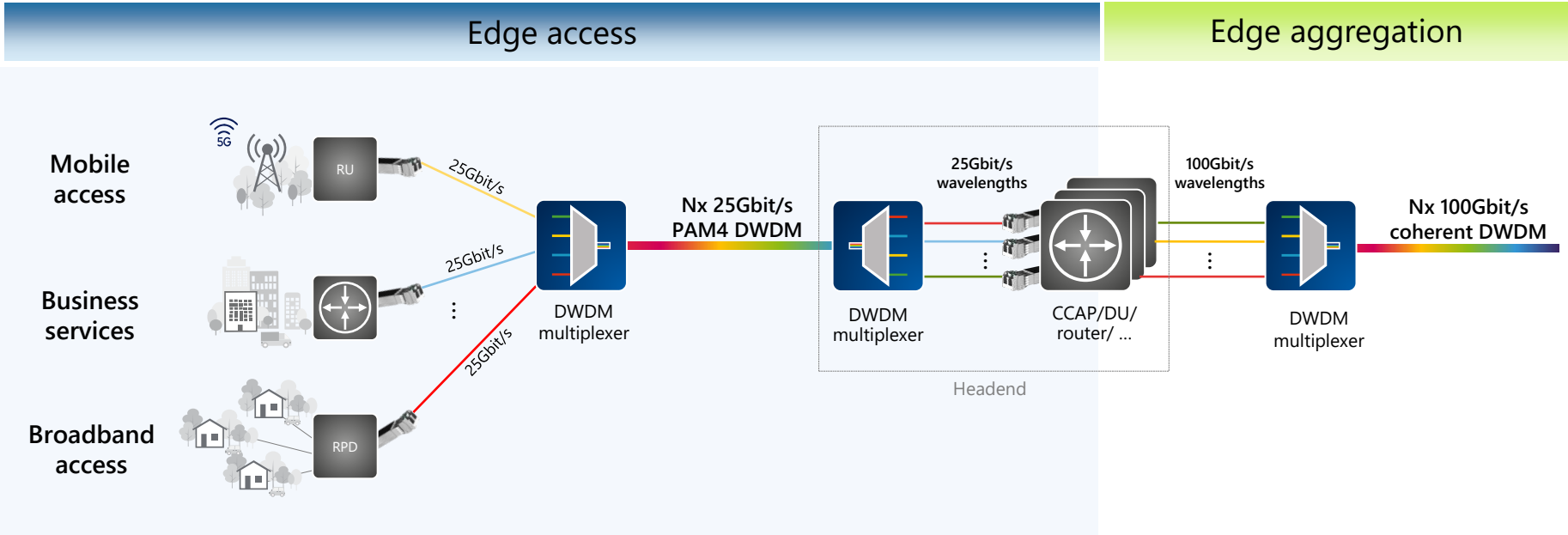
AccessWave25™ reduces capex and opex through:

- DWDM tunable optics with extended reach
- G.metro wavelength auto-tuning
- SFP28 form factor
- I-temp hardened design
- Host-independent operation
- Compatibility with existing 10Gbit/s infrastructure



Designed to easily and cost-efficiently upgrade access networks to 25Gbit/s

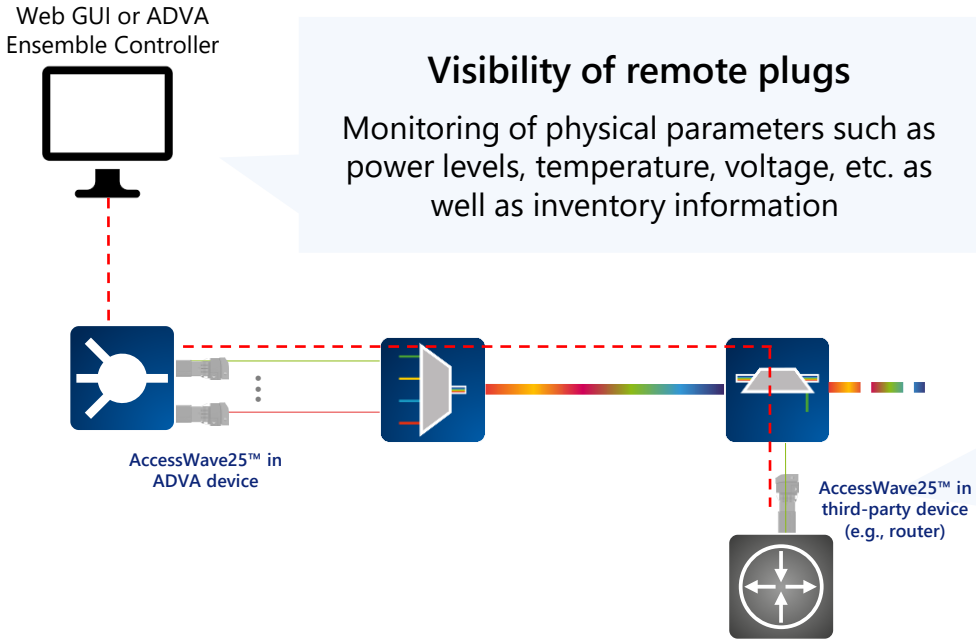
AccessWave25™ – applications in your network



25Gbit/s DWDM links with up to 40km reach from any device with an SFP28 port

G.metro auto-tuning and communication channel

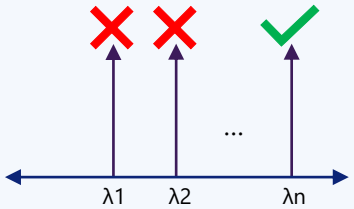
Independent of remote host equipment



Visibility of remote plugs

Monitoring of physical parameters such as power levels, temperature, voltage, etc. as well as inventory information

No commissioning and minimum inventory



AccessWave25™ plugs automatically find and tune to the correct wavelength within seconds (fully C-band tunable)

Wavelength auto-tuning and remote diagnostics simplify operations

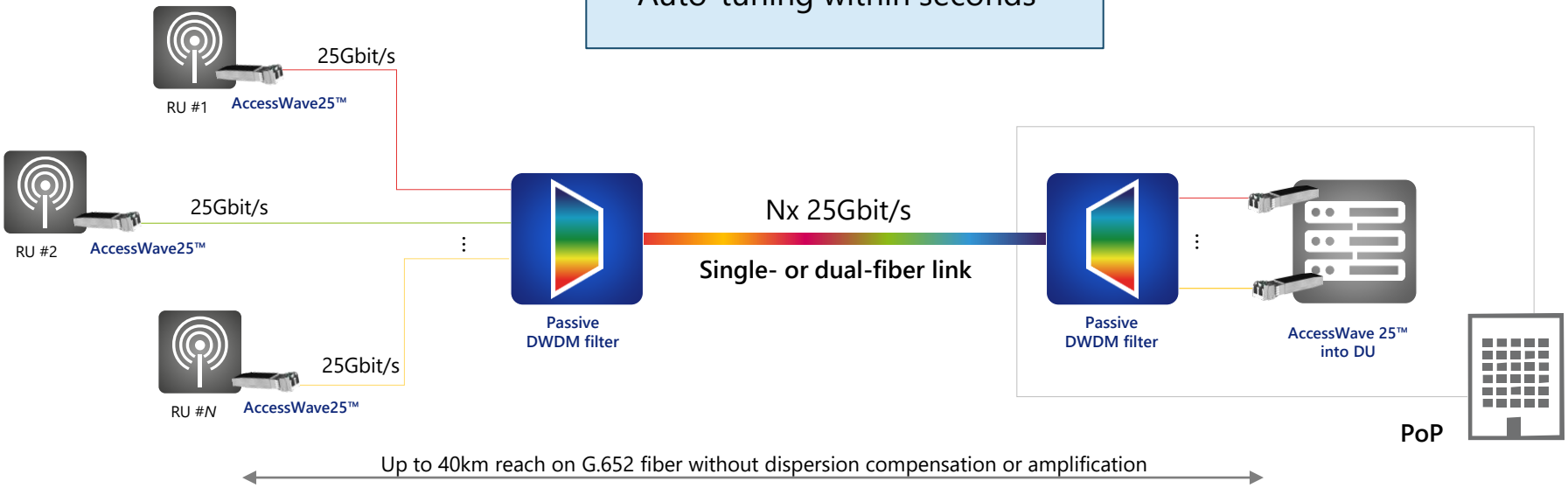
Patent-pending innovation

Seamless upgrade of 10G infrastructure	• With scaling rules equivalent to 10Gbit/s technology, AccessWave25™ can be used over existing 10Gbit/s-based network infrastructure and is host-agnostic in any SFP28 port. No need to tear out equipment to upgrade your network • The ADVA turnkey FSP 3000 solution for passive optical access offers the highest performance at minimum cost
Up to 40km reach	• The combination of C-band operation and 25Gbit/s bandwidth typically limits the maximum reach to a few kilometers (dispersion limited) • With patent-pending technology innovation, the ADVA AcessWave25™ enables 25Gbit/s DWDM links with up to 40km reach without dispersion compensation or optical amplification (G.652 fiber)

ADVA's innovation enables 25Gbit/s DWDM interfaces with superior performance

Use case example: passive 25G DWDM fronthaul

- Low-latency transport
- For outdoor deployments
- Auto-tuning within seconds



Thank you

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