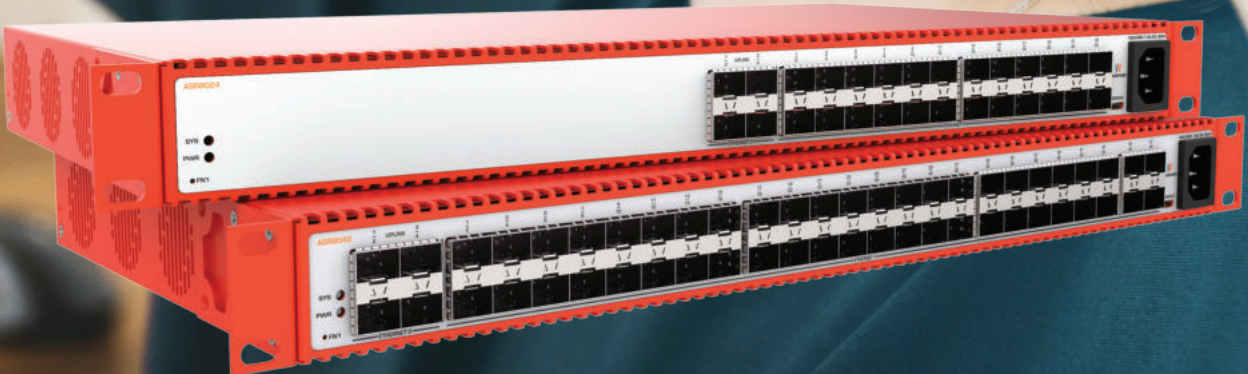




waystream



**Broadband access for the
next generation**



Are you building a fibre network for residential and business services?

Waystream access switches power some of the largest city networks in Scandinavia. With our latest generation access switches you can build a reliable and easy to operate network that delivers great services to all your customers.

Designed for street cabinets and central-office

- Temperature hardened, -20 to + 70C
- AC and DC power options
- All connectors in the front
- Small form-factor, only 24 cm deep

High availability and long deployment life

- Redundant power inputs
- Front to side/back airflow
- 2.5 Gbit/s and 10 Gbit/s port speed for maximum service flexibility.
- Compatible with lowpower optics

Unique FTTH feature-set

- Network processor for better services
- Zero-touch deployment
- All common topologies
- Telemetry

Broad service support

- Advanced QoS and rate-limiting
- Supports bitstream / wholesale
- Supports shaped / policed services



This is Waystream

Waystream believes that the world needs a network that connects every home, every business and every human because communication brings the world closer and enable progress that makes society better. For the past 18 years we have delivered access solutions designed for fibre networks that are reliable, easier to operate and delivers great services.

Technical summary

Model	Temp	2.5G ports	10G ports
ASR8024	0-45	-	28
ASR8048	0-45	-	52
ASR8024E	-20-70	-	28
ASR8048E	-20-70	-	52
MS7024	0-45	24	4
MS7048	0-45	48	4
MS7024E	-20-70	24	4
MS7048E	-20-70	48	4

Hardware

EU Safety, EMC, RoHS, WEEE and REACH compliant
 ASIC forwarding bandwidth 160Gbps, 240Mpps
 MAC table 16,000 entries, VLAN table 4096 entries
 Multicast 2048 L2, 4000 IP multicast groups
 Rear 12VDC port for second external power input

Classification and QoS

Layer 2-4 packet classification with filtering and re-marking with per service packets and bytes accounting
 Weighted round robin (WRR), Weighted fair-queueing (WFQ), NPU policer/shapers, 2000 policers, 4096 shapers

Layer2 features

MSTP, IGMPv2 snooping
 Static-join and access-control of multicast groups
 Link-aggregation

Layer3 features (ASR-series)

13,000 IPv4 / 3,000 IPv6
 OSPFv2, OSPFv3, BGP, IS-IS
 IGMPv1-v3, PIM-SM/SSM
 PPPoE server

Misc features

Netflow version 9 export
 Remote mirroring over GRE
 Telemetry export via JSON and InfluxDB LP
 Zero-touch provisioning
 Multicast MPEG quality analysis
 RADIUS service control

Management

TACACS+, SNMP, NTP, LLDP
 Telnet, SSH, BOOTP, TFTP
 Industry standard CLI

Security

IP spoofing protection, UNI isolated ports, MAC Forced Forwarding
 Lawful interception X1 and X3 (ASR-series)



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