

SONY

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eMerge

Broadcast-grade switching,
made simple



**Fast, reliable IP switching for IT and smaller media networks,
without the complexity, the cost or the long-delivery times.**

For broadcasters, production facilities, OB providers and other media companies, not every IP project needs a large-scale network architecture. Sometimes you simply need a dependable switch that is ready for demanding media traffic, easy to deploy and available when your project needs it.

Why choose eMerge?

Nevion eMerge brings broadcast-grade performance to IT and smaller IP media networks. Used in enterprise mode, it provides a practical alternative to oversized enterprise switches and underpowered entry-level options – giving you the capacity, timing support and robustness needed for real media workflows.



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Built for the places where simplicity matters

eMerge enterprise mode can be used for a variety of applications, including:



Compact IP media networks
in studios, production spaces or OB trucks.



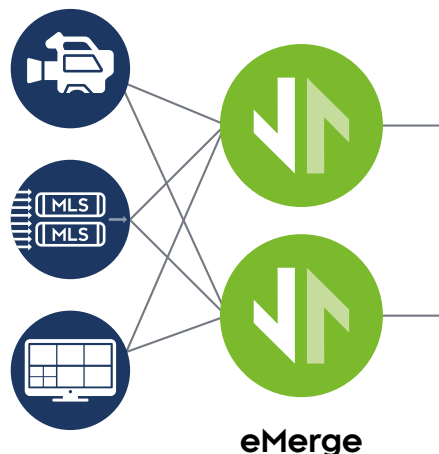
Control networks that need more confidence than generic IT switching can offer.



Temporary or fast-turnaround
deployments where availability and setup speed are critical.



Edge or handoff points
where media-aware switching helps keep traffic under control.



Cost-effective, quick availability and media optimized

- **Deploy with confidence:** eMerge is engineered for broadcast and media environments, helping reduce the risk of choosing unsuitable generic switches.
- **Keep projects moving:** eMerge switches can be delivered in relatively short order, helping avoid delays caused by long lead times.
- **Right-size your investment:** Choose a cost-effective switch portfolio that fits simple media applications without over-engineering the solution.
- **Handle demanding media traffic:** High-capacity models and media-friendly features help support high-bitrate video, control and timing requirements.
- **Leverage software defined broadcasting:** Supports optimized media transport between software applications (MXL)
- **Ready for future needs:** Start with enterprise switching now, with the flexibility to repurpose eMerge later in more advanced IP media networks if your requirements evolve.



eMerge stand-alone GUI



Enterprise features that matter

eMerge enterprise mode includes:

- **Interoperable** with other commercial off-the-shelf IP switches.
- Portfolio options from **1G to 100G**, with **higher-capacity options available** for larger requirements.
- Support for **IGMP/PIM multicast** and **PTP Boundary Clock**.
- Advanced **Layer 2 and Layer 3 forwarding** functions.
- Support for **RDMA used by MXL**.
- **Redundant power supplies** and field-replaceable fans for operational resilience.
- **Own management** interface.

Choose the right model for your application

Model	Best suited for	Key interfaces	Forwarding capacity
 EM-GE2-48T4X	1G device aggregation, control networks and compact media deployments	48 x 1G Base-T 4 x 10G SFP+	176 Gb/s
 EM3-25G-24Y4C	Small to mid-size 10G/25G media networks	24 x 10/25G SFP28 4 x 40/100G QSFP28	2 Tb/s
 EM3-25G-48Y8C	Higher-density 25G aggregation and larger enterprise systems	48 x 10/25G SFP28 8 x 40/100G QSFP28	4 Tb/s
 EM4-100G-64C*	High-capacity cores, larger OB trucks and demanding facility applications	64 x 100G QSFP28 interfaces (2RU)	12.8 Tb/s
 EM4-400G-32D-2AC*	Ultra-high-capacity 400G cores, spine networks and large-scale media aggregation	32 x 400G QSFP112 interfaces 1 RU . All interfaces splittable in 4 x 100G (i.e. 128 x 100G)	25.6 Tb/s

* Reboot time under 120 seconds



Nevion eMerge gives media organizations a **straightforward** way to build dependable IP networks for simple applications, with the **performance headroom, media focus** and **operational confidence** that broadcast workflows demand.