

MFN 100

Qualified Nerve Device



- ✓ Edge computer with TSN-ready Ethernet switch
- ✓ Optimized and tested for use with Nerve software

MFN 100 is a qualified Nerve device that is optimized and tested for use with Nerve software. The device is designed for use in harsh industrial environments (-40 °C to +70 °C). It is based on an Intel Atom x5-E3940/50 CPU and offers 4 GB/8 GB RAM and up to 512 GB SSD storage. MFN 100 offers 1x IO port for Ethernet-based fieldbus connectivity, 4x GbE switch ports and 1x SFP port. Additional interfaces include 2x USB 2.0 ports and 1x Display Port.

Features

CPU	Intel E3940 4 cores, 1.8 GHz 4 GB RAM	Intel E3950 4 cores, 8 GB RAM	
Storage	64 GB SSD MLC	256 GB SSD MLC	512 GB SSD MLC
Performance	1 ms control cycle time achievable with Nerve Blue		
Fieldbus Interfaces	1x 10/100/1000 Mbit/s RJ45 (PROFINET, EtherCAT, Modbus TCP/IP)		
Ethernet Interfaces	4x 10/100/1000 Mbit/s RJ45, 1x 10/100/1000 Mbit/s SFP		
USB	2x USB 2.0 (assignable to virtual machines)		
Output	1 x Display Port (assignable to virtual machines)		
Mounting	DIN rail or wall mount		
Power	2x 24 V redundant input Average power consumption 12 W		
Environmental	Intended for use in control cabinets Operational temperature: -40 °C to +70 °C IP 40 according to IEC 60529 Shock & vibration		
Dimensions	(H x W x D) 177,5 x 75 x 141 mm		
Certificates	CE and UL certified (EN 61000-6-2/4, IEC/UL 610101, CSA C22.2 NO. 61010-1-12)		

