

MACH104 fanless 19-inch switch

Layer 2 and Layer 3



Rear View of device variants:

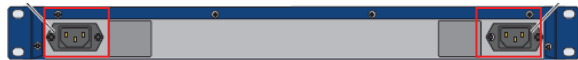
MACH104-20TX-F...

MACH104-20TX-F-4PoE...



Rear View of device variants:

MACH104-20TX-FR...



Rear View of device variants:

MACH104-16TX-PoEP...

MACH104-16TX-PoEP+2x...



Rear View of device variants:

MACH104-16TX-PoEP-R...

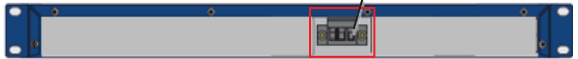
MACH104-16TX-PoEP+2x-R...



Rear view of device variants:

MACH104-16TX-PoEP-E...

MACH104-16TX-PoEP+2X-E...



Plug for power supply 44-57 V DC

Plug for PoE power supply

For the use of **type 1 powered devices (PoE):**

nom. voltage 48V DC ----- max. voltage range 45V to 57 V DC

For the use of **type 2 powered devices (PoE+):**

nom. voltage 54V DC ----- max. voltage range 51V to 57 V DC



MACH104-20TX-F...

MACH104-20TX-FR



MACH104-20TX-F-4PoE



MACH104-16TX-PoEP+2X...

MACH104-16TX-PoEP+2X-R...

MACH104-16TX-PoEP+2X-E...



MACH104-16TX-PoEP...

MACH104-16TX-PoEP-R...

MACH104-16TX-PoEP-E...



IEEE 802.3af
15 Watt per port



IEEE 802.3at
30 Watt per port

PoE power
(max. number of Powered Devices)
☞ 8x PD class 4 (30W)
☞ 16x PD class 0 (15,4W)
It's possible to mix:
The limit is ~248 Watt

MACH104

	MACH104-20TX-F 942 003-001	MACH104-20TX-F-L3P 942 003-002	MACH104-20TX-FR 942 003-101	MACH104-20TX-FR-L3P 942 003-102	MACH104-20TX-F-4PoE 942 003-201	MACH104-20TX-F-4PoE-L3P 942 003-202	MACH104-16TX-PoEP 942 030-001	MACH104-16TX-PoEP-L3P 942 030-002	MACH104-16TX-PoEP-R 942 026-001	MACH104-16TX-PoEP-R-L3P 942 026-002	MACH104-16TX-PoEP+2X 942 031-001	MACH104-16TX-PoEP+2X-L3P 942 031-002	MACH104-16TX-PoEP+2X-R 942 033-001	MACH104-16TX-PoEP+2X-R-L3P 942 033-002	MACH104-16TX-PoEP-E 942 027-001	MACH104-16TX-PoEP-E-L3P 942 027-002	MACH104-16TX-PoEP+2X-E 942 032-001	MACH104-16TX-PoEP+2X-E-L3P 942 032-002
Gigabit ETHERNET COMBO ports	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Gigabit ETHERNET Twisted Pair ports	20	20	20	20	20	20	16	16	16	16	16	16	16	16	16	16	16	16
10 Gigabit ETHERNET ports for XFP	-	-	-	-	-	-	-	-	-	-	2	2	2	2	-	-	2	2
Integrated PoE power supply for 4 PoE ports	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Integrated PoE+ power supply for 16 ports	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Power supply (100-240V AC) (fan inside the power supply)	-	-	-	-	-	-	1.) ✓	1.) ✓	2.) ✓	2.) ✓	3.) ✓	3.) ✓	2.) ✓	2.) ✓	-	-	-	-
Redundant Power supply (100-240V AC)	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Redundant power supply (100-240V AC)) (fan inside the power supply)	-	-	-	-	-	-	-	-	✓	✓	-	-	✓	✓	-	-	-	-
Power supply (44-57V DC) fanless	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.) ✓	4.) ✓	4.) ✓	4.) ✓
Software Version	L2P	L3P	L2P	L3P	L2P	L3P	L2P	L3P	L2P	L3P	L2P	L3P	L2P	L3P	L2P	L3P	L2P	L3P

- 1.) For the supply voltage, the following applies: A power module providing the PoE voltage and the internal supply voltage is integrated in the device
- 2.) For the supply voltage, the following applies:
 - The supply voltage can be connected redundantly;
 - Two power modules providing the PoE voltage and the internal supply voltage are integrated in the device. The power modules operate in load-sharing mode.
- 3.) For the supply voltage, the following applies: A power module providing the PoE voltage and the internal supply voltage is integrated in the device.
- 4.) For the supply voltage, the following applies: PoE voltage and internal supply voltage are provided by an external power module

