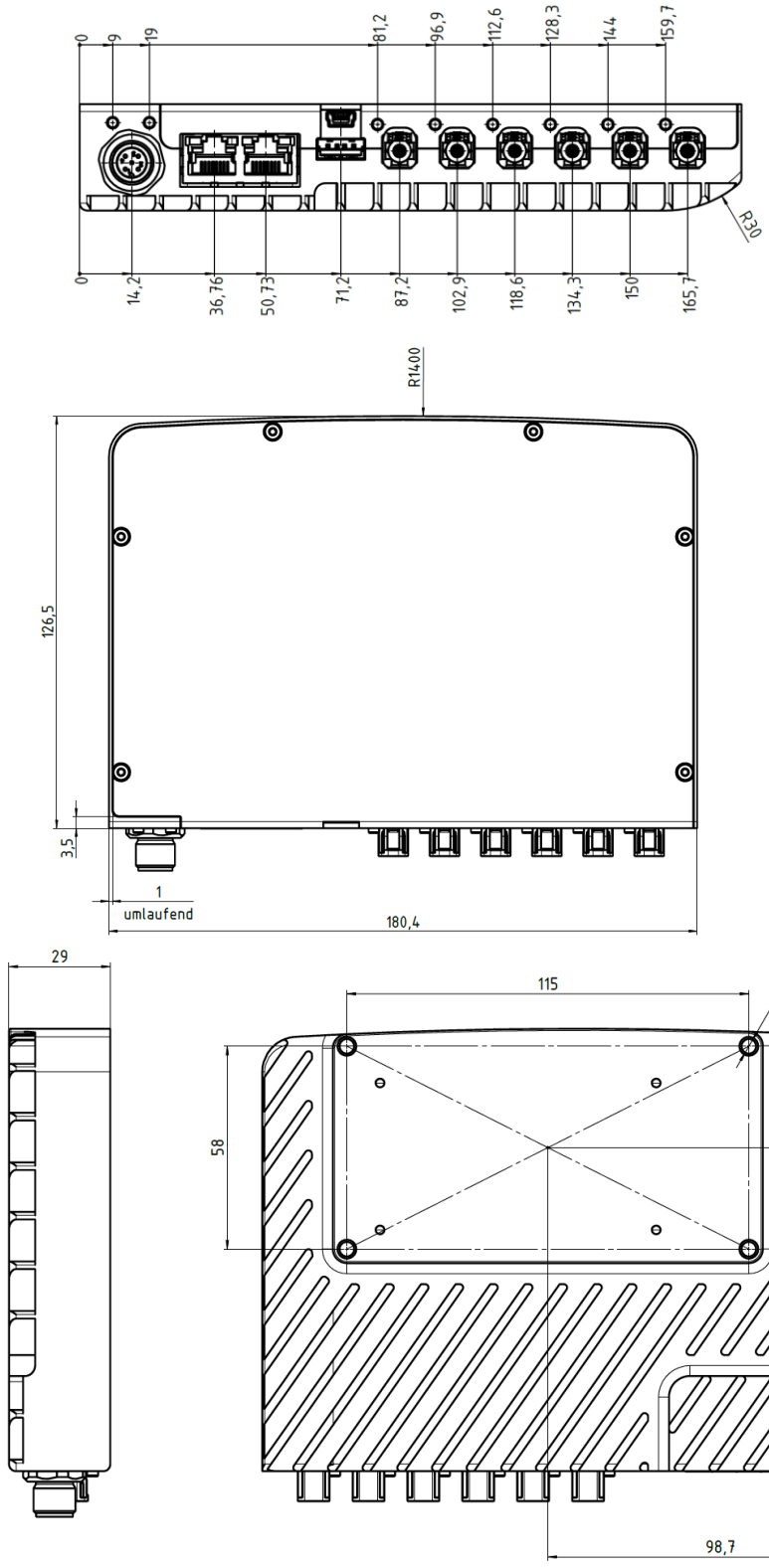
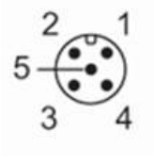
OVP800 OVPAA/RO/E0/E1/NJ TX2/8GB

OVP800



Product characteristics	
SOM	Nvidia Jetson TX2 4GB Module
CPU	Dual-core NVIDIA Denver 2 64-bit CPU and quad-core ARM A57 Complex
GPU	NVIDIA Pascal™ Architecture GPU with 256 CUDA cores
Memory	4GB 128-bit LPDDR4, 1600 MHz - 51.2 GBs
Storage	16GB eMMC 5.1 Flash Storage
AI Performance	1.3 TFLOPs
Electrical data	
Operating voltage [V]	24V (19,2V … 28,8V)
Current consumption [A]	900;(2 TOF cameras @ max rating + VPU); 2000; (6 TOF cameras @ max rating + VPU);
Max. current consumption [mA]	2250; (peak current pulsed for 2 x TOF cameras @ max rating + VPU) 5000; (peak current pulsed for 6 TOF cameras @ max rating +VPU)
Power consumption [W]	20 (typical value for 2 TOF cameras @ max rating)
Operating Conditions	
Ambient temperature range [°C]	-10 … 40
Storage temperature range [°C]	-40 … 85
Protection	IP50
Electrical Connection	
Power + CAN	M12 5 pol  Shield 1 24V 2 GND 3 CAN+ 4 CAN- 5
Ethernet	2x 1GB ethernet
USB	USB 3.0 + USB 2.0
Camera	6x proprietary camera ports
Tests/approvals	
EMC	DIN EN 61000-6-3 radiation of interference / residential, commercial and light-industrial environments DIN EN 61000-6-2 noise immunity / industrial environments
Shock resistance	DIN EN 60068-2-27 50 g / (11 ms) not repetitive DIN EN 60068-2-27 40 g / (6 ms) repetitive
Vibration resistance	DIN EN 60068-2-6 2 g / (10...150 Hz) DIN EN 60068-2-64 2.3 g RMS / (10...500 Hz)
Electrical safety	DIN EN 61010-2-201 electrical supply only via PELV circuits
Mechanical Data	
Dimensions [mm]	180 x 30 x 125
Weight [g]	880
Material	Aluminium
Max. tightening torque [Nm]	5.5