Operating Humidity	5% to 95% Non-condensing
Regulatory Approvals	
EMC	CE EMC (EN 55024, EN 55032), FCC Part 15 B, EN 50155(EN 50121-1, EN 50121-3-2)
EMI	EN 55032, CISPR32, EN 61000-3-2, EN 61000-3-3, FCC Part 15 B class A
EMS	EN 55024 (IEC/EN 61000-4-2 (ESD: Contact 6KV, Air 8KV), IEC/EN 61000-4-3 (RS 80MHz to 1GHz: 20V/m, 1.4-2GHz:10V/m 1kHz 80% AM),IEC/EN 61000-4-4 (EFT Power 2KV, Single 2KV), IEC/EN 61000-4-5 (Surge: Power 2KV, RJ45 2KV), IEC/EN 61000-4-6 (CS 150K-80MHz: 10Vrms 1kHz 80% AM), IEC/EN 61000-4-8(PFMF), IEC/EN 61000-4-11 (DIP))
Shock	IEC60068-2-27
Free Fall	IEC60068-2-31
Vibration	IEC60068-2-6
Safety	EN 60950-1 (LVD)
Other	EN 50155 (IEC 61373) compliant
MTBF	155,786hrs
Warranty	5 years

Ordering Information

TGRS-T[AA]0-[BBBB][CCC]-[DD]

Code Definition	10/100/1000Base-T(X) Port Number	Connector Type	Additional feature	Power Input Range
Option	**- 12:** 12 ports	**- M12X:** M12 X-coded	**- BP2:** By-pass x 2	**-WV:** 24-110VDC power input

Available Model	Model Name	Description
	TGRS-T120-M12X-BP2-WV	EN 50155 12-port managed router switch with 12x10/100/1000Base-T(X) ports, X-coding M12 connector and 2xbypass included, wide-range power input

Packing List
- TGRS-T120-M12X-BP2-WV x 1
- Quick Installation Guide x 1

Optional Accessories
- Open-Vision M500: Powerful Network Management Windows Utility Suit, 500 IP devices
- M12 cable series
- DBU-01 backup unit