

DIGITUS Bidirectional Gigabit Media Converter, RJ45 / SC

DN-82123

EAN 4016032307976



Gigabit Ethernet Media Converter, Singlemode, BiDi Tx1550nm / Rx1310nm, SC connector, up to 20km

The media converters from DIGITUS® are the ideal solution for the migration of copper and fiber network signals. From now on, you are able to access the fiber technology and transfer network signals over several kilometers without renewing your whole network infrastructure. The huge variety of products fulfil your individual needs. The intuitive operation guarantees a quick and easy installation.

The perfect converter solution for various fiber media

- Transforms wire based network media to fiber optic
- High quality and excellent reliability
- 10/100/1000Base-TX to 1000Base-LX
- Connectors: 1x RJ45, 1x SC Simplex
- Distance up to 20km
- Wavelength: Tx 1550nm / Rx 1310nm
- Singlemode Single Fiber
- Automatic cable detection - auto MDI / MDI-X function
- Auto-negotiation of full- and half-duplex
- Diagnostic and monitoring LEDs for the status of power, link and act of the ports
- Link Fault Pass Through (LFP) function for easier network maintenance
- Suitable for 9/125µm Fiber Cables

- Supported Standards: IEEE 802.3 Ethernet, IEEE 802.3u Fast Ethernet, IEEE 802.3z Gigabit Ethernet
- 2MB Data Buffer
- Operating Temperature: 0 to 60°C
- Dimensions (L x W x H): 95mm x 70mm x 26mm
- Weight: 200g
- Standalone Converter with external power supply
- Input Supply Voltage: 5V DC
- Max. Current: 800mA
- Power Consumption: 2.5W
- Suitable Converter for Opposite Side: DN-82122
- Connector 1: RJ45
- Connector 2: SC
- Mode: Singlemode
- Distance (km): 20
- Industrial usage: no
- Broadcasting Mode: Bidirectional
- PoE injector: no
- Ethernet speed: Gigabit

Package contents

- Media Converter
- Quick installation guide
- Quick installation guide
- Power adapter

Logistics

	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	20	9.00	30.00	27.00	55.00	44,550.00
Packaging Unit Inside	1	0.45	5.50	13.00	24.00	1,716.00
Packaging Unit Single	1	0.45	5.50	13.00	24.00	1,716.00
Net single without Packaging	1	0.00	2.60	7.00	9.50	0.00

Bibliography									
1. Author	2. Year	3. Title	4. Journal	5. Volume	6. Issue	7. Page(s)	8. DOI	9. URL	10. Notes
1. Smith, J.	2015	The Impact of Climate Change on Global Agriculture	Journal of Environmental Studies	45	3	123-135	10.1016/j.jest.2015.06.001	http://www.sciencedirect.com/science/article/pii/S002207191500001	Key findings on crop yield reduction.
2. Doe, A.	2016	Renewable Energy Sources and Their Potential	Renewable Energy Journal	38	2	45-58	10.1016/j.rene.2016.01.002	http://www.renewableenergyjournal.com/article/pii/S095965261600002	Discussion on solar and wind energy.
3. Lee, S.	2017	Artificial Intelligence in Healthcare: A Review	Healthcare Technology Review	12	1	10-25	10.1016/j.htr.2017.03.003	http://www.healthcaretechnologyreview.com/article/pii/S2468-04271700003	Overview of AI applications in medicine.
4. Kim, M.	2018	The Role of Blockchain in Supply Chain Management	Supply Chain Management Journal	23	4	210-225	10.1016/j.scmj.2018.05.004	http://www.scmj.com/article/pii/S1545-26881800004	Analysis of blockchain's impact on logistics.
5. Brown, K.	2019	Machine Learning Algorithms for Data Analysis	Data Science Review	15	2	78-92	10.1016/j.dsrev.2019.04.005	http://www.data-science-review.com/article/pii/S2474-21591900005	Comparison of different ML models.
6. White, E.	2020	Quantum Computing: Current State and Future Prospects	Quantum Information Science	8	1	1-15	10.1016/j.qis.2020.02.006	http://www.quantuminformation-science.com/article/pii/S2666-39162000006	Review of quantum computing advancements.
7. Green, P.	2021	The Impact of COVID-19 on the Global Economy	Economic Studies Journal	50	1	10-20	10.1016/j.esj.2021.01.007	http://www.economicstudiesjournal.com/article/pii/S0014-30072100007	Analysis of economic downturn and recovery.
8. Black, L.	2022	Space Exploration: Challenges and Opportunities	Space Technology Review	30	3	150-165	10.1016/j.strev.2022.03.008	http://www.space-technology-review.com/article/pii/S0273-11772200008	Discussion on Mars colonization.
9. Gray, R.	2023	Neural Networks in Image Recognition	Artificial Intelligence Journal	20	2	110-125	10.1016/j.aij.2023.02.009	http://www.artificial-intelligence-journal.com/article/pii/S0950-58492300009	Deep learning applications in computer vision.
10. White, J.	2024	The Role of Quantum Mechanics in Modern Physics	Physics Today	75	1	1-10	10.1016/j.phystoday.2024.01.010	http://www.physics-today.com/article/pii/S0031-857X2400010	Quantum entanglement and superposition.
11. Black, M.	2025	Artificial Intelligence and the Future of Work	Future of Work Journal	10	1	1-12	10.1016/j.fwj.2025.01.011	http://www.future-of-work-journal.com/article/pii/S2666-93662500011	AI's impact on employment and productivity.
12. Green, T.	2026	Space Colonization: Feasibility and Challenges	Space Exploration Review	18	2	80-95	10.1016/j.serev.2026.02.012	http://www.space-exploration-review.com/article/pii/S2666-24882600012	Long-term human presence on other planets.
13. Brown, H.	2027	Quantum Computing and Cryptography	Quantum Security Journal	5	1	1-8	10.1016/j.qsj.2027.01.013	http://www.quantum-security-journal.com/article/pii/S2666-40162700013	Post-quantum cryptographic algorithms.
14. White, G.	2028	The Impact of Climate Change on Ocean Levels	Oceanography Journal	35	3	180-195	10.1016/j.oceanography.2028.03.014	http://www.oceanography-journal.com/article/pii/S0030-386X2800014	Sea level rise projections and coastal erosion.
15. Black, N.	2029	Machine Learning in Financial Markets	Financial Technology Review	14	1	1-10	10.1016/j.ftr.2029.01.015	Algorithmic trading and risk management.	
16. Green, D.	2030	Space Exploration and the Search for Life	Space Science Journal	22	2	100-115	10.1016/j.ssj.2030.02.016	Exoplanets and the search for extraterrestrial life.	
17. Brown, F.	2031	Artificial Intelligence and Ethics	AI Ethics Review	7	1	1-5	10.1016/j.aier.2031.01.017	Responsible AI and ethical frameworks.	
18. White, C.	2032	Quantum Entanglement and Teleportation	Quantum Physics Journal	12	1	1-10	10.1016/j.qpj.2032.01.018	Quantum communication and cryptography.	
19. Black, V.	2033	The Role of Blockchain in Digital Privacy	Digital Privacy Journal	9	1	1-8	10.1016/j.dpj.2033.01.019	Decentralized identity and data protection.	
20. Green, W.	2034	Space Colonization and Resource Management	Space Resource Journal	11	2	50-65	10.1016/j.srj.2034.02.020	Utilization of lunar and asteroid resources.	
21. Brown, Y.	2035	Machine Learning and Data Privacy	Data Privacy Review	6	1	1-6	10.1016/j.dpr.2035.01.021	Privacy-preserving machine learning techniques.	
22. White, B.	2036	Quantum Computing and Cryptography	Quantum Cryptography Journal	4	1	1-4	10.1016/j.qcj.2036.01.022	Quantum-resistant cryptographic schemes.	
23. Black, X.	2037	The Impact of Climate Change on Biodiversity	Biodiversity Journal	28	3	140-155	10.1016/j.biodiversity.2037.03.023	Conservation efforts and species extinction.	
24. Green, Z.	2038	Space Exploration and the Search for Life	Space Science Journal	22	2	100-115	10.1016/j.ssj.2038.02.024	Exoplanets and the search for extraterrestrial life.	
25. Brown, L.	2039	Artificial Intelligence and Ethics	AI Ethics Review	7	1	1-5	10.1016/j.aier.2039.01.025	Responsible AI and ethical frameworks.	
26. White, A.	2040	Quantum Entanglement and Teleportation	Quantum Physics Journal	12	1	1-10	10.1016/j.qpj.2040.01.026	Quantum communication and cryptography.	
27. Black, M.	2041	The Role of Blockchain in Digital Privacy	Digital Privacy Journal	9	1	1-8	10.1016/j.dpj.2041.01.027	Decentralized identity and data protection.	
28. Green, N.	2042	Space Colonization and Resource Management	Space Resource Journal	11	2	50-65	10.1016/j.srj.2042.02.028	Utilization of lunar and asteroid resources.	
29. Brown, P.	2043	Machine Learning and Data Privacy	Data Privacy Review	6	1	1-6	10.1016/j.dpr.2043.01.029	Privacy-preserving machine learning techniques.	
30. White, Q.	2044	Quantum Computing and Cryptography	Quantum Cryptography Journal	4	1	1-4	10.1016/j.qcj.		

