



Product Name	GAOTek Enterprise Core Router Data Center Router WI-FI
Product SKU	GAOTek-EWIFI-101
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GAOTek Enterprise Core Router Data Center Router WI-FI

1. Product Overview:

The GAOTek Enterprise Core Router is a full-scenario converged bearer router for the cloud era. 2U, 220mm deep and small size supports up to 160G port capacity and 6 service slots. It is the most compact dual-master router in the industry and can flexibly adapt to different services.

It supports 50GE/25GE/10GE/GE/FE/CPOS/E1, etc. The interface and compact design can save valuable resources, significantly reduce Capex, and protect existing investments, and the wide-temperature design can be deployed in all scenarios. Support SRv6, EVPN, network slicing, 1588v2 high-precision clock, and other features, it is the best choice for comprehensive transport in multi-service scenarios in the future cloud era.

2. Technical Specifications:

Dimensions (width x depth x height)	442mm×220mm×88.9mm(2U)
Port capacity	160 Gbps
switching capacity	85 Tbps
Forwarding performance	12,600 Mbps
Working power supply	DC : -40V to -72V; AC: 90V to 290V
Typical power consumption	220 W
Number of line card slots	6
Port capabilities	50GE:2individual; 10GE:16individual; GE:100individual
L2 Features	IEEE802.1q、IEEE802.1p、IEEE 802.3ad、IEEE 802.1ab、STP/RSTP/MSTP



L3 Features	OSPF、RIP、IS-IS、BGP、ACL、IPv4、IPv6、ARP、VLANIF、VxLAN
MPLS Features	LDP、RSVP-TE、L2VPN、L3VPN、Seamless MPLS
SRv6/EVPN	SRv6、SR Policy、EVPN L3VPN, EVPN VPWS, EVPN VPLS、EVPN over SRv6
value-added services	NAT、IPSec、MACSec, Violation Outreach Detection
multicast	IGMP、StaticMulticast Routing、PIM-SM/SSM、MBGP、NGMVPN
clock	1588v2,Support synchronous Ethernet clock
OAM	Telemetry、iFIT、BFD、QA、RFC 2544、TWAMP
Operating temperature	-40°C ~65°C

3. Supported Daughter Cards:

Classification	Description
50GE	1-way 50GE (QSFP28) optical interface board
25GE	2-way 25GE (SFP28)/2-way 10GGE (SFP+) optical interface board
GE/FE	10-channel GE/FE optical interface board
GE/FE	20-channel GE (CSFP)/10-channel GE (SFP) optical interface board
CPOS	4-channel channelized OC-3c/STM-1c POS optical interface board
E1	32E1 electrical port board
E1	16-channel E1 electrical port board