



TA5004 MICRO CABINET

Modular, remote fiber access solution for rural broadband expansion

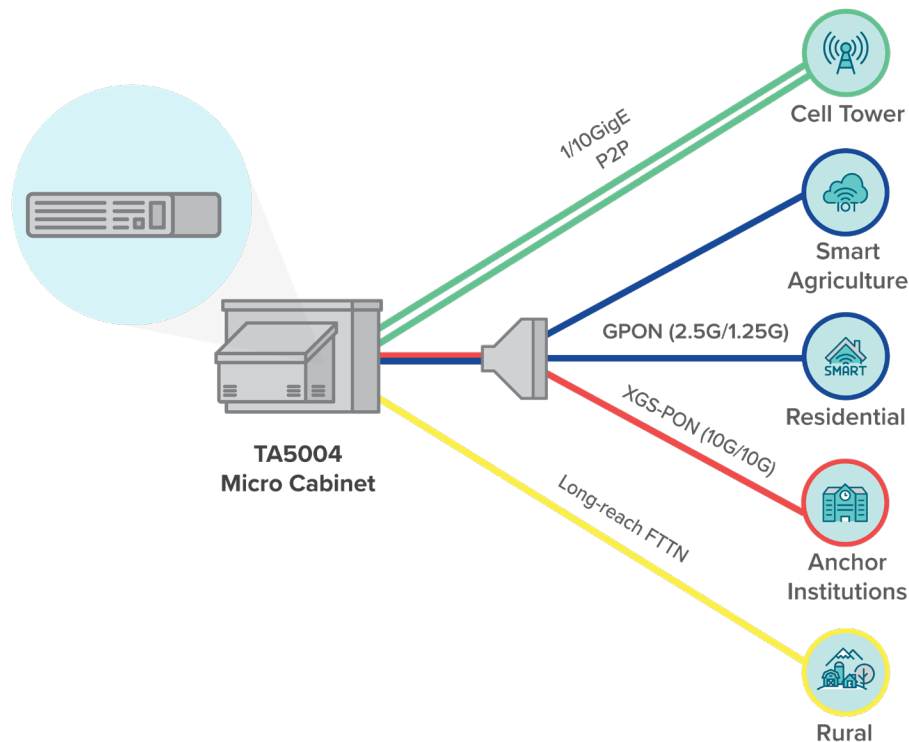
Highlights

- Purpose-built, low-density FTTH solution
- Extend service up to 60+km
- Multi-gig ready (built-in Combo PON)
- Weather-hardened, sealed packaging
- Lightweight, pole or wall-mountable
- Integrated cooling and remote powering options

Regulators worldwide have recognized the importance of bridging the digital divide and have poured tens of billions of dollars to support rural broadband buildouts. However, delivering broadband in rural areas is challenging due to low population densities, difficult terrain, lack of facilities, and reliable power, making a difficult business case for cost-effective broadband.

ADTRAN introduces the Total Access 5004 (TA5004) Micro Cabinet, a purpose-built, compact fiber access solution that simplifies rural broadband expansion. With the TA5004 Micro Cabinet, service providers can speed rural gigabit coverage at the lowest cost per add while having the capacity for future multi-gigabit services.

TA5004 MICRO CABINET



Expand FTTH Service Coverage

The TA5004 Micro Cabinet can be deployed as a standalone node or as a subtended node to your existing Total Access 5000 (TA5000) FTTH network footprint to expand service coverage. The system supports existing TA5000 line cards and management systems, as well as extended-reach optics (60+km), allowing you to seamlessly expand coverage to underserved and rural areas while lowering deployment, commissioning, and sparring costs.

Launch Rural Gigabit Service

The TA5004 Micro Cabinet is a complete FTTH system that can be deployed in both brownfield and greenfield rural broadband networks. The low-density solution allows you to start small and easily scales to serve up to 2,048 subscribers from the same system. The compact, lightweight system with integrated cooling and multiple powering options enables anywhere deployment allowing for expedited gigabit rollouts.

Capture Business Broadband Revenues

Built-in Combo-PON technology supports both GPON and XGS-PON simultaneously over a single ODN, enabling you to deliver residential and business gigabit, as well as multi-gigabit services to anchor institutions (schools, hospitals) and mobile backhaul, all from the same system.

Support Long Reach FTTN Applications

The TA5004 Micro Cabinet is the industry's most flexible rural broadband solution that supports both fiber and copper interfaces, allowing you to deliver ultra-fast broadband (100Mbps) over your existing copper infrastructure.

Modular, Remote Fiber Access Solution

Key Features	Advantage	Benefits
Multi-Technology, Modular <ul style="list-style-type: none">■ Supports >5 access technologies■ Supports both fiber and copper interfaces	<ul style="list-style-type: none">■ Deliver residential gigabit services■ Deliver multi-gigabit business services■ Support mobile backhaul	<ul style="list-style-type: none">■ Higher revenue and margins
Sealed, Compact, Anywhere Install <ul style="list-style-type: none">■ <35lbs■ Integrated cooling, heating, and lightning protection■ Multiple powering options■ Pole- or wall-mountable	<ul style="list-style-type: none">■ Single-person install■ Deploy in harshest environments■ Low maintenance	<ul style="list-style-type: none">■ Fast time-to-market; Low TCO
Built-in Combo PON <ul style="list-style-type: none">■ GPON and XGS-PON simultaneous support from a single port	<ul style="list-style-type: none">■ Add network capacity at the turn of a dial	<ul style="list-style-type: none">■ Future-ready system

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Ordering Information

Equipment	Part No.
FTTP	
TA5004 Micro Cabinet (Fiber, AC powered)	4192M54F1AL1
TA5004 Micro Cabinet configured for fiber, span powered	4192M54F1SL1

Additional variants available. Please contact support@adtran.com for information or a quote.



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