



Innovative Wireless Solutions for Next Generation Networks

62nd FITCE International Congress – Athens

September 28, 2023



Aviat Networks

Overview

- Aviat Networks is a leading wireless microwave transport and access equipment, software and services provider
 - US Headquarters (Austin, TX)
 - Global Customer Base (5000 + customers)
 - Global Manufacturing Capabilities
 - Leading Technology (200+ patents)
 - Strong Position with Global Service Providers and Private Network Operators
- End-to-End Wireless Access and Transport Solutions Portfolio



Wireless Transport



Access



Routers



Software



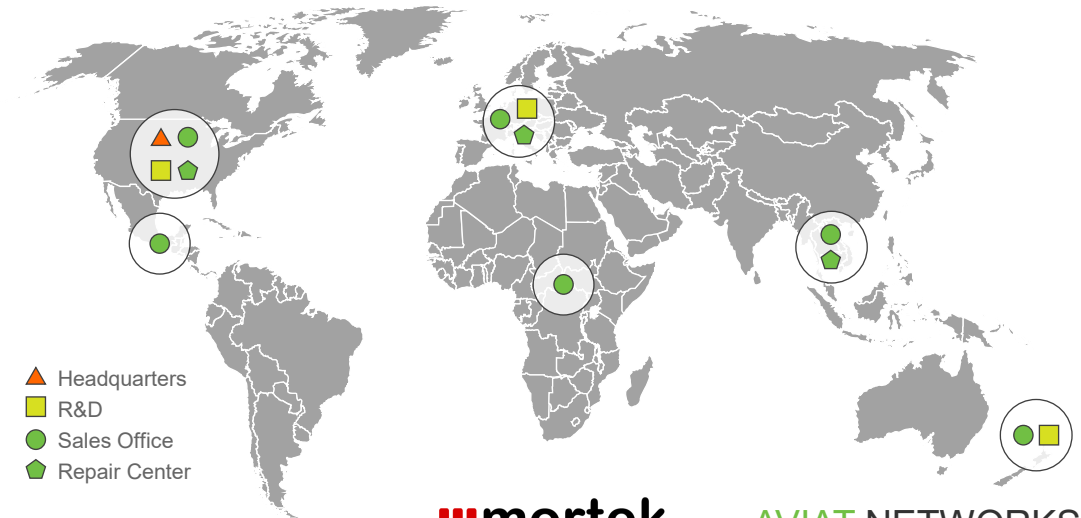
Services

- Points of excellence
 - Lowest Total Cost of Ownership
 - Mission Critical Solutions Leader
 - Unrivalled Microwave Expertise
 - Unique and Compelling Innovations

Example Customers



Global Presence, Service & Support

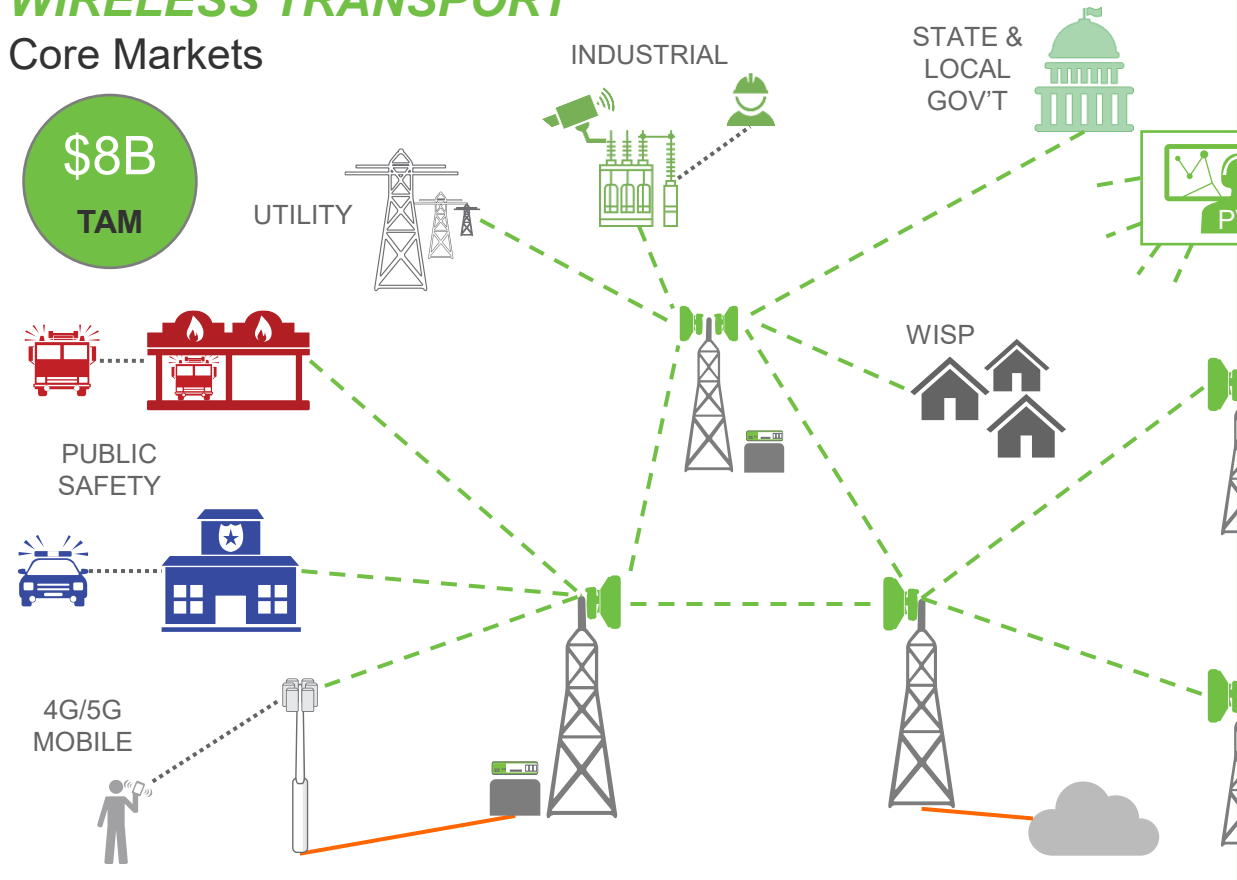


Aviat Networks Transport and Access Solutions

WIRELESS TRANSPORT

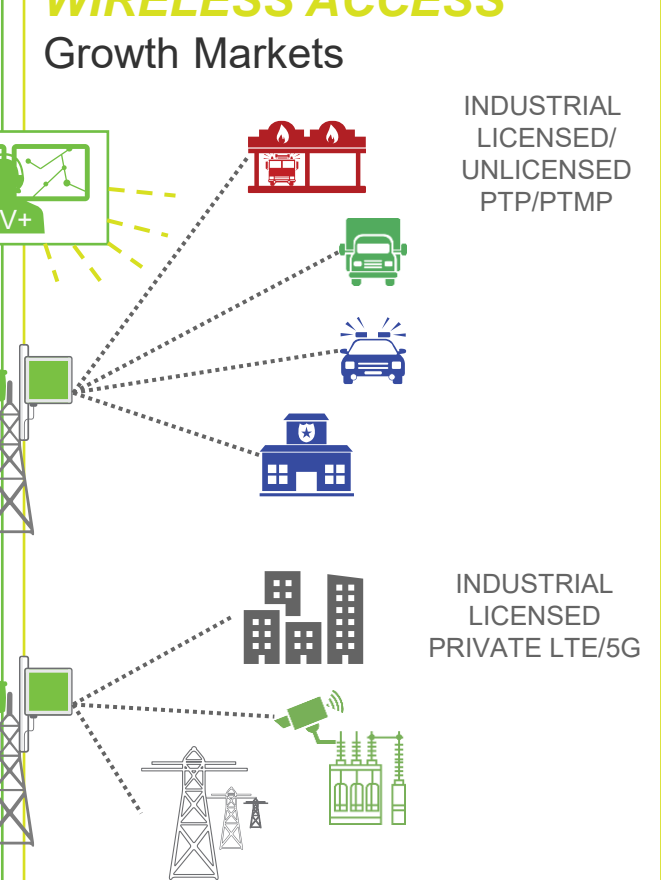
Core Markets

\$8B
TAM



WIRELESS ACCESS

Growth Markets



Aviat
Differentiation

Best in Class
Wireless Transport Products

Unique
Software and Services

Disruptive
Supply Chain and Ecommerce

AVIAT EQUIPMENT MICROWAVE RADIO ACCESS / CELLULAR FIBER

- Other applications »
- OIL/GAS/OFFSHORE
 - TRANSPORTATION
 - SCHOOL/ENTERPRISE
 - ISP/WISP
 - HIGH FREQUENCY TRADING

*Source: Internal Aviat research
**Source: IDC, March 2022

Aviat Differentiation Aligned with Private Networks, 5G and Rural Broadband

Industry Trends

- Rapid growth of 5G networks
- Increasing demand for capacity
- Leverage existing infrastructure
- High cost of fiber deployment / leasing
- Growth in Private Networks
- Reduce Total Cost of Ownership (Capex and Opex)



Latest Trends: Higher Demands, High Cost of Fiber, Reduce TCO

Major Trend: More Critical Communications



Industrial IoT

\$1.11Tn Industrial IoT market by 2028 (Statista)
Driving more critical bandwidth in vertical markets



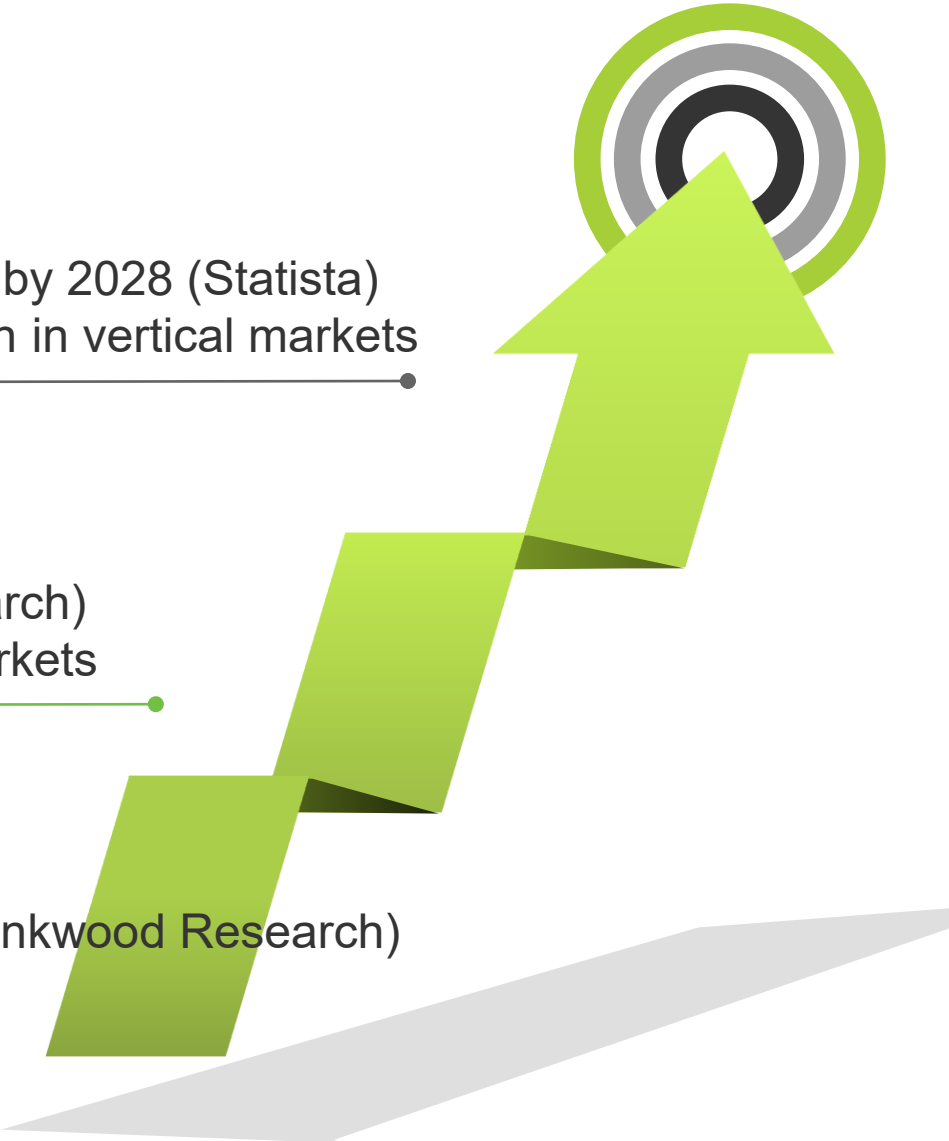
Private LTE

\$16B for Private LTE by 2025 (ABI Research)
Paving way for 5G services in vertical markets



Public Safety & Security

CAGR 13.2%, \$799B in communications by 2027 (Inkwood Research)
Robust and reliable transport solutions needed



Wireless Solutions for Next Generation Networks

Cost Effective

much lower than fiber



High Reliability

even in storms/floods



Flexibility

to go where fiber can't



Easy & Fast

to plan, order and deploy



Wireless has a lower cost, more reliable, greater flexibility, and easier and quicker to deploy.

Capacity, Reliability and Simplicity with lower TCO...



Radio

More Capacity
Longer Distances
Industrial Applications
Private LTE/5G Access



Routing

Resilient IP/MPLS
Routing to the Edge



Software

Automation for Simplicity
& Network Reliability



Supply Chain

Online Design and
Ordering
Faster Deliveries
Minimized Inventory

*Aviat has an innovative portfolio with a focus on lowest TCO for 5G,
Private Networks, and Rural Broadband*

Aviat Delivering Capacity for all Network Needs

20 Gbps
E-Band

E-Band 80 GHz
2+0 Dual transceiver

10 Gbps
E-Band, Multi-Band,
Split-Mount Trunking

E-Band 80 GHz
Multi-Band 80+15/18/23 GHz Microwave
5-11 GHz split-mount trunking with Aviat
Dual Channel Space Diversity

5 Gbps
4+0/LOS MIMO

Up to 4x capacity, single antenna with two
frequencies/XPIC or two antennas single frequency

2.5 Gbps
Dual 2x112 MHz Channel

Double capacity with single transceiver and Aviat A2C+,
or two transceivers, common band or multi/bi-band

1.2 Gbps
112 MHz Channels

Double capacity of 56 MHz channel

500 Mbps
Modulations to 4096QAM

Up to 22% more than 1024QAM/56MHz

Aviat Product Transport Portfolio

MICROWAVE INDOOR UNITS

HYBRID
4096QAM



TDM, L2 CE

ECLIPSE

SPLIT-MOUNT ACCESS

4096
QAM

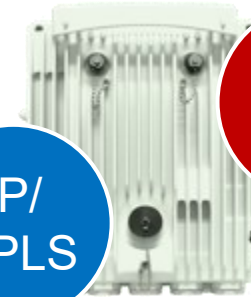


5 to 42 GHz

ODU 600

ALL-OUTDOOR ETHERNET

IP/
MPLS



10
Gb/s

6 to 42 GHz

WTM 4000

NETWORK MGMT



PROVISION

TRANSPORT ROUTERS

IP/MPLS
1024QAM



L2 CE, L3 IP/MPLS

CTR 8000

ALL-INDOOR INDOOR RADIO UNIT

+39
dBm



5 to 11 GHz

IRU 600

ALL-OUTDOOR MULTIBAND / E-BAND

IP/
MPLS



20
Gb/s

80 GHz

WTM 4800/4880

AUTOMATION & ANALYTICS

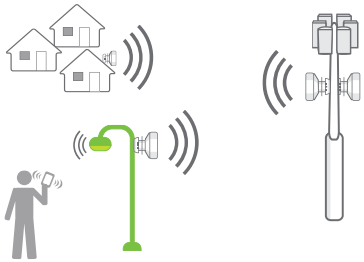


PROVISION PLUS
AVIATCLOUD

Aviat Product Use Cases

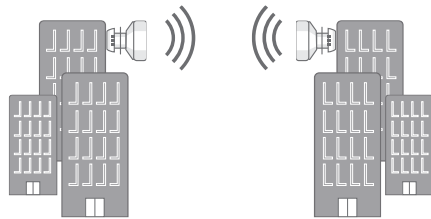
URBAN

- Pole/Roof-Top Site
- Capacity: up to 20 Gbps
- Distance: < 2 km



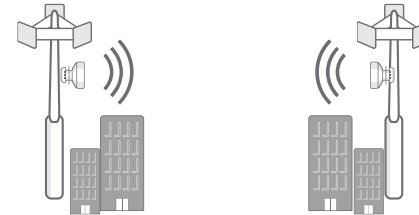
SUB-URBAN

- Rooftop/Tower Cell-Site
- Capacity: up to 10 Gbps
- Distance: 2 - 8 km



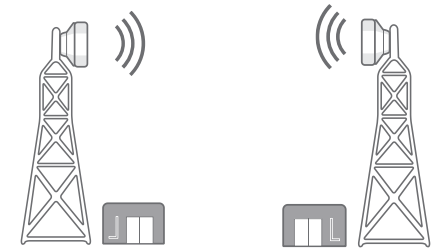
RURAL

- Tower Cell-Site
- Capacity: 1 to 4 Gbps
- Distance: 8 - 25 km



TRUNK

- Tower Cell-Site
- Capacity: 4 to 10 Gbps
- Distance: > 25 km



E-Band 80 GHz

Single
ODR

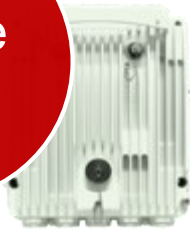


WTM 4800

Multi-Band

80 + 11/15/18/23 GHz

Single
ODR

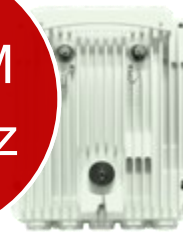


WTM 4800

Microwave-Band

11-23 GHz

4KQAM
112MHz

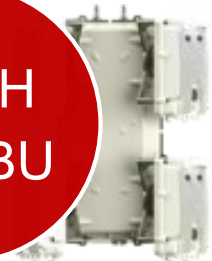


WTM 4200/4500, CTR 8740

Microwave-Band

6/7/8 GHz

8x CH
1x OBU



STR 4500 (T/XT), CTR 8740

Aviat Access Product Portfolio

INDUSTRIAL LTE



RDL-6000 L1
Ellipse 4G HP

Mobile Network
iLTE

INDUSTRIAL PtP/PMP TRANSPORT



Transport Network
Virtual Fiber™

NMS



ProVision+

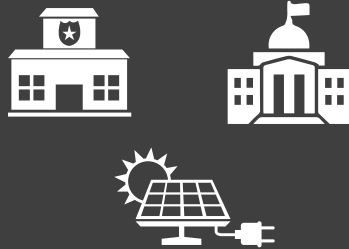


Aviat Cloud

Capitalizing on critical communications trends

Specialization and
reach to drive growth
within private
networks vertical

The clear choice:
Segment leader



Global Partners
in Security &
Defense



Expanding
Reach – Recent
breakthrough



National Security
Networks

Europe
Middle East
North Africa
Asia Pacific

Oil & Gas

Middle East
West Africa
Asia
Europe

Regional
Governments

Across all regions:
NA, LATAM, EMEA,
and APAC

Trusted Expert:

Sales and Services: Direct engagement and deep
relationships with end-customer

Trusted Expert for Critical Communications

Why Aviat Networks

- #1 vendor for public safety microwave
- The largest LTE networks run Aviat microwave
- 18000 links installed in Mission Critical applications



Proven and dependable communications for the most critical networks

Why Aviat Networks



- Resilience

Our products are among the most reliable in the industry, for virtually zero downtime.

Most Reliable Products, Virtually Zero Downtime

A partnership agreement for Greece, Cyprus and MALTA



www.aviatnetworks.com



www.mortek.gr