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HotPort® 5020 Wireless Mesh Nodes

Cost-effective, reliable connectivity at the edges and PTP between 2 locations

Models
HotPort 5020-M – 25 Mbps Mesh Node
HotPort 5020-E – 25 Mbps Edge Node
HotPort 5020-LNK – 50 Mbps PTP Link

HotPort 5020-M Infrastructure Mesh Node

The Firetide 5020-M brings increased flexibility to your mesh deployment. By operating as a standalone mesh or together with Firetide HotPort 7000s and 5020-E nodes, operators can build a mesh network according to their bandwidth requirements. HotPort 5020-Ms can function as a true mesh, or

as an edge node with HotPort 7000 nodes. This increased flexibility is a cost effective and ideal solution for all deployments, large and small. By providing the ability to be used as a mesh or edge node, the 5020-M fits perfectly with video, ITS, SCADA, a broadband extension, WiFi offload, and remote sensor monitoring.

HotPort 5020-E Infrastructure Edge Node

HotPort 5020 infrastructure nodes bring cost-effective edge-level connectivity solutions to Firetide's core wireless infrastructure portfolio. Operators can now use HotPort 5020 to connect their edge devices onto existing HotPort 7000 series based mesh networks. The 5020 infrastructure node provides an optimum balance between cost and performance for data connectivity applications such as ITS, sensor backhaul, Wi-Fi offload, and broadband extension.

HotPort 5020-LNK Point-to-Point Node

Firetide HotPort 5020-LNK infrastructure nodes provide low-cost, PTP connectivity between two locations. The 5020-LNK utilizes the MIMO technology to provide better throughput and performance for a backhaul link. 5020-LNK deliver up to 50 Mbps of UDP throughput with data rates of up to 300 Mbps. With pre-packaged software licenses, antennas and other accessories, the HotPort 5020-LNK is optimized to provide high capacity and low-latency point-to-point connectivity right out of the box.

Privacy and Security

HotPort 5020 nodes supports the industry's highest level of security to ensure privacy for communications and reduce liability for service providers. Like all components of the Firetide wireless mesh and access infrastructure, HotPort 5020 nodes offers WPA2-PSK (Wi-Fi Protected Access) based authentication for an unmatched, solid, and trusted network.

Quality of Service

Firetide's patented AutoMeshTM platform supports advanced load balancing and congestion control mechanisms for optimal routing within the mesh network. The HotPort 5020 infrastructure node also provides extensive VLAN capabilities critical for deploying a multi-service network on a large scale.

Flexible Configuration

All models of HotPort 5020 infrastructure nodes are software configurable to operate in 2.4, 4.9 and 5 GHz. The PoE powered HotPort 5020 nodes eliminate the need for running both data and power wires to the nodes. HotPort 5020 infrastructure nodes can utilize channel widths of 5, 10, 20 and 40 MHz, with 5 and 10 MHz channel widths only available on the 4.9 GHz band. Dynamic Frequency selection is available for approved list of countries.

Easy to Use and Deploy PTMP Connectivity

Point-to-multipoint connectivity is a cost-effective means of interconnecting edge devices or office buildings right out of the box. Using a HotPort 7000 as a base station, multiple HotPort 5020s can act as customer premise equipment, creating point-to-multipoint connections.

High-capacity Point-to-Point

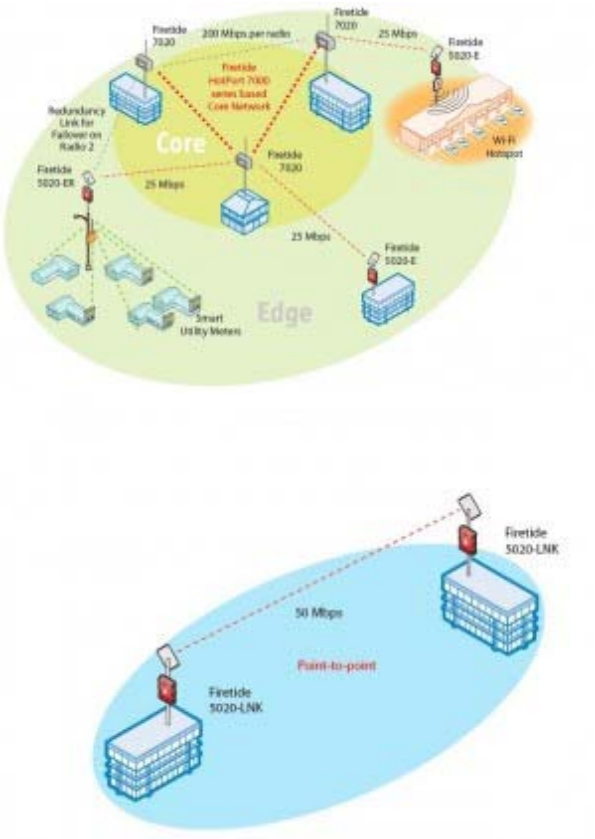
5020-LNK utilizes the MIMO technology to provide better throughput and performance for a backhaul link. It can deliver up to 50 Mbps of UDP throughput with data rates of up to 300 Mbps.

Wireless Bridging

5020-LNK provides true bridging functionality and is agnostic to the types of client or protocols on the network. It supports transparent overlay of multiple subnet (VLANs) over the point-to-point link. It also provides seamless transport of multicast and broadcast traffic over the point-to-point link, including IPTV distribution, video on demand, video surveillance and video conferencing. In addition, to prevent bandwidth abuse, 5020-LNK provides advanced tools such as multicast rate limits.

Complete Infrastructure Solution

5020-LNK is a natural expansion of Firetide's core wireless infrastructure technology to PTP applications. Firetide's expertise in large-scale wireless mesh networks for video, data and voice applications in harsh environments ensures that its point-to-point solution is optimized to provide the best-in-class performance, ease-of-use, and security in the industry.



Purchase of software license(s) required for dual-radio and/or 802.11n MIMO functionality. Purchase of HotView Pro Network Management license. Outdoor antennas not included. 3-in-1 detachable, high gain, spectrum-specific, omni directional and directional antennas available for purchase.

Products

Resources

5020-M Datasheet

5020-E Datasheet

5020-LNK Datasheet

Find Out More Today

Access to downloadable white papers and other valuable mesh networking resources.

White Papers

Contact a sales representative or locate a partner.

Sales Inquiry

Sign up now - free intro to mesh training.

Online Training

Firetide provides the highest performance fixed and mobile wireless IP network infrastructure products that enable concurrent video, voice and data applications for government, transportation, education and commercial customers.

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