

## High Performance Networking and Security

 <p><b>SSHield</b> (SSH1 / SSH2 protocols)</p> <p>A small-footprint embedded implementation of the Secure Shell (IETF SECSH) protocol. Includes secure copy (scp), secure FTP (sftp and sftpd) and a built-in version of modular crypto libraries. Supports X.509 digital certificate, RADIUS and Kerberos authentication.</p>	 <p><b>AuthAgent RADIUS</b> (RADIUS Authentication Agent)</p> <p>A flexible RADIUS client library embedded environments. It integrates with network security protocols requiring authentication (such as IKE, SSH, 802.1X EAPoL and EAP) and also supports standalone authentication functionality.</p>
 <p><b>SSLimSecure</b> (SSL / TLS protocols)</p> <p>A small-footprint embedded SSL &amp; TLS implementation. Includes client and server components and a built-in version of modular crypto libraries with APIs for hardware acceleration. Secures web-servers, custom socket applications, and provides transport security at lower layers.</p>	 <p><b>AuthAgent Kerberos</b> (Kerberos V Agent)</p> <p>A full-featured implementation of the Kerberos V agent functionality for embedded platforms, which includes functionality to enable Kerberos authentication in network clients and services, based on RFC 1510.</p>
 <p><b>V-IPSecure</b> (IPSec and IKE)</p> <p>Embedded implementation of network layer security - IPSec and IKE. Supports both tunnel and transport mode ESP and AH, with a wide variety of encryption and hash algorithms. Includes IKE authentication support for Kerberos, RADIUS and digital certificates.</p>	 <p><b>AuthAgent X.509</b> (Digital Certificate Authentication)</p> <p>A public key and digital certificate authentication framework that includes the ability to revoke certificates (CRL support) and the provision for multiple alternative implementations of X.509 handling.</p>
 <p><b>X-Calibur</b> (IEEE 802.1X)</p> <p>An implementation of the Port-based Network Access Control (IEEE 802.1X PNAC) protocol for embedded supplicants and authenticators. It provides a framework to communicate with an authentication server based on Extensible Authentication Protocol (EAP).</p>	 <p><b>Switchcraft Merlink</b> (LACP &amp; fail-over)</p> <p>Managed link aggregation for bundling multiple links for increased effective bandwidth, load-balancing and fail-over capabilities. Includes API-driven link-aggregation library as well as a full implementation of the IEEE 802.3ad LACP and marker protocols.</p>
 <p><b>ASAP</b> (Access Point Security)</p> <p>A complete secure WLAN AP package which includes an 802.11 driver framework, reference drivers and support for WEP, WPA and 802.11i security. Pre-shared key &amp; infrastructure modes (802.1X), and a built-in RADIUS client are included, with support for CCMP and TKIP/Michael.</p>	 <p><b>Spantasmic</b> (Spanning Trees 802.1 d/w/s)</p> <p>An implementation of the STP (802.1d), RSTP (802.1w) and MST (802.1s) variants of the Spanning Tree Protocol for bridges and switches. It includes an optional software bridging framework with built-in forwarding and an address resolution logic-based filtering.</p>
 <p><b>SecureAire Supplicant</b> (Secure WLAN Supplicant)</p> <p>A complete secure WLAN supplicant package which includes an 802.11 driver framework, reference drivers and support for WEP, WPA and 802.11i security. Pre-shared key &amp; infrastructure modes (802.1X), and a set of standard EAP types is included.</p>	 <p><b>GNAT</b> (Network Address Translator)</p> <p>A fast embedded Network Address Translator, sporting a rules-based command interface and full support for bidirectional static and dynamic NAT with NAT, as well as support for popular ALGs.</p>
 <p><b>NetF1</b> (High Octane TCP/IP, IPV6, VR)</p> <p>A high-octane TCP/IP stack for embedded platforms, built for speed and compactness with extensive RFC support, and features for IP backplanes. Includes IPv4 and IPv6 in host and router mode with multi-threaded, multi-instance (Virtual Router) capabilities and DoS protections.</p>	 <p><b>ClassHopper</b> (Alternate Queuing Discipline)</p> <p>An alternate queuing discipline framework for QoS enhancements, prioritization and bandwidth limiting. It includes standard queuing models such as Class-Based Queuing, RED and others, as well as a framework to develop custom queuing disciplines.</p>
 <p><b>GrandPPPriz</b> (Multi-Class/Multi-Link PPP)</p> <p>A full-featured embedded PPP stack including a multi-link aggregation of point-to-point links, and multi-class PPP extensions (RFC 2886) to prioritize delay sensitive traffic. Includes support for IPv6 and PPPoE, and provides for external traffic regulation.</p>	 <p><b>FireFly</b> (IP Packet Filtering Firewall)</p> <p>A lean, high performance, packet-filtering embedded firewall based. FireFly supports a variety of filtering criteria, and a flexible interface for setting up policies. It also includes hooks for dynamic firewalling and stateful inspection.</p>

TeamF1 licenses these software components individually, or as a part of a turnkey management-enabled solution for VPNs, APs and other complex equipment.