



STM32 – TCP/IP solution details (1/2)

Provider	Solution name	Details
Amazon	FreeRTOS+™ TCP	ARP, DHCP, DNS, LLMNR, NBNS, UDP
Amazon	FreeRTOS+™ UDP	ARP, DHCP and DNS
CMX	CMX-TCP/IP	PPP, PPPoE, ARP, IGMP, ICMP, IPv4, UDP, TCP, DHCP(cs), DNS, FTP(cs), IMAP4, NAT, POP3(c), SMTP, SNMP, SNTP, Telnet(s), SSL/TLS, SSH, TFTP(cs), HTTP(s)
CMX	CMX-MicroNet	PPP, ARP, IGMP, ICMP, IPv4, UDP, TCP, DHCP(c), DNS, FTP(cs), POP3(c), SMTP, SNMP, SNTP, Telnet(s), SSL/TLS, TFTP (c), HTTP(s)
CypherBridge	Embedded SSH SDK (uSSH™)	SSH 2.0, Configurable DSS and RSA asymmetric session, Configurable crypto with 3DES AES and blowfish support, SCP, SFTP
EUROS	TCP/IP stack	PPP, PPPoE, ARP, IGMP, ICMP, IPv4, IPv6, IPSec/IKE, UDP, TCP, DNS, DHCP(cs), FTP(cs), NAT, POP3(c), SMTP, SNMP, SNTP, Telnet(s), SSL/TLS, TFTP, HTTP(cs)
Express Logic	NetX and NetX Duo IPv4/IPv6	PPP, ARP, IGMP, ICMP, IPv4, IPv6, IPSec/IKE, UDP, TCP, DNS, DHCP(c), FTP(cs), NAT, POP3(c), SMTP, SNMP, SNTP, Telnet(s), TFTP, HTTP(s)
eCosCentric	SecureSockets	SSH2
eCosCentric	SecureShell	SSL/TLS
eCosCentric	eCosPro stacks	PPP, ARP, ICMP, UDP, TCP, IPv4, IPv6, DHCP, BOOTP, SMTP, TFTP, FTP(c+s), HTTP, SNMP, NTP, mDNS, Bonjour
eForce	µNet3	PPP, ARP, IGMP, ICMP, IPv4, IPv6, UDP, TCP, DNS, DHCP(c), FTP(s), HTTP(cs), TFTP, SNMP, SNTP, Telnet(s), POP3(c), SMTP, SSL/TLS
EmCraft	Linux TCP/IP stack	PPP, DNS, NAT, SSH (cs), DHCP (cs), SNMP (cs), Telnet (cs), FTP (cs), HTTP (cs)
HCC	MISRA HCC-TCP/IP v4/v6	ARP, ICMP, IPv4, IPv6, UDP, TCP, DNS, DHCP(c), FTP(s), SMTP, TFTP(s), HTTP(s)
Wittenstein - High Integrity Systems	CONNECT TCP	TCP, UDP, ARP, ICMP, IPv4, DNS, DHCP, FTP, TFTP, HTTP, LLMNR, NBNS, Auto-IP, standard sockets or callback interface



(c): Client
 (s): Server
 (cs): Client and Server



STM32 – TCP/IP solution details (2/2)

Provider	Solution name	Details
Green Hills	μ-veIOSity TCP/IP v4/v6	ARP, ICMP, IGMP, IPv4, IPv6, IPv4/6, UDP, TCP, DNS, DHCP(c),
Interniche	NicheStack	SLIP, PPP, PPPoE, ARP, IGMP, ICMP, IPv4, IPv6, IPSec/IKE, UDP, TCP, DNS, DHCP(cs), FTP(cs), NAT, POP3(c), SMTP, SNMP, SNMP, Telnet(s), SSL/TLS, TFTP, HTTP(s), RTP/RTCP, SSH
Interniche	embTCP v4/v6	ARP, TCP/IP v4, IPv4/v6 HTTP, FTP Telnet ICMP, UDP, TCP, DNS, DHCP
Keil / arm	MDK-ARM TCPNET	SLIP, PPP, ARP, IPv4, ICMP, UDP, TCP, DNS, DHCP(c), FTP(s), SMTP, SNMP, Telnet(s), TFTP(s), HTTP(s)
SICS	LwIP	PPP, ARP, ICMP, IPv4, UDP, TCP, DHCP(c), IPv6
Mentor Embedded	Nucleus Kernel	PPP, PPPoE, ARP, IGMP, ICMP, IPv4, IPv6, IPSec/IKE, UDP, TCP, DHCP(c), FTP(cs), NAT, SNMP, SNMP, Telnet(cs), SSL/TLS, TFTP(cs), HTTP(cs)
Micrium	μC/TCP-IP (and μC/SSL)	ARP, ICMP, IPv4, UDP, TCP, DNS, DHCP(c), FTP(cs), SMTP, POP3(c), SNMP, Telnet(s), SSL/TLS, TFTP, HTTP(s)
Micro Digital	smxNS and smxNS6 (Dual IPv6/v4)	SLIP, PPP, PPPoE, ARP, IGMP, ICMP, IPv4, IPv6, IPv4/6, UDP, TCP, DNS, mDNS, DHCP(cs), FTP(cs), NAT, POP3(c), SMTP, SNMP, SNMP, Telnet(s), SSL/TLS, TFTP, HTTP(cs), SSH
Oryx Emb.	CycloneTCP	ARP, IPv4, ICMP, IGMP, IPv6, ICMPv6, MLD, NDP, SLAAC, UDP, TCP, DNS, DHCP(c), DHCPv6(c), SMTP(c), FTP(cs), HTTP(s),
Quadros	RTXC Quadnet	PPP, PPPoE, ARP, IGMP, ICMP, IPv4, IPv6, IPSec/IKE, UDP, TCP, DNS, DHCP(cs), FTP(cs), NAT, POP3(c), SMTP, SNMP, SNMP, Telnet(s), SSL/TLS, TFTP, HTTP(cs), UPnP, Prioritized Packets Handling
Rowebots	Unison TCP-IP/v4-v6	PPP, ARP, ICMP, IGMP, IPv4, IPv6, IPv4/6, 6LowPan, IPSec, UDP, TCP, DNS, DHCP(cs), SMTP(c), SNMP, Telnet(s), TFTP(cs), HTTP(cs), NAT
SEGGER	embOS/IP	PPP, PPPoE, ARP, ICMP, IGMP, IPv4, UDP, TCP, DNS, DHCP(cs), FTP(cs), SMTP(c), SNMP(c), Telnet(s), TFTP(cs), HTTP(s), PTP IEEE 1588
SICS	Contiki/uIP6	IPv6, 6LoWPAN
ST	STM32Cube - LwIP	PPP, ARP, ICMP, IPv4, UDP, TCP, DHCP(c), IPv6
Zephyr	Zephyr Networking	IPv4, IPv6 (dual stack support), ICMPv4, ICMPv6, UDP, TCP, HTTP, MQTT, CoAP, LWM2W, RPL, DNS/ 6LoWPAN



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