u-link Remote Access Service

Technical information about mandatory connection parameters

Business Unit Industrial Ethernet
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Weidmüller

Mandatory connection parameters for u-link VPN clients

Overview of u-link connection parameters

Table below shows mandatory connection parameters used for u-link Remote Access Service. If a u-link VPN client (Weidmüller hardware or service PC) is communicating through a firewall to access the Internet, please make sure, with the responsible IT department, that these mandatory connection parameters can pass through the firewall to ensure proper working of the remote access service. If the location of a u-link VPN client (Weidmüller hardware or service PC) is set to "Auto", it will always connect to the VPN server with the lowest latency. Therefore, all VPN servers should be allowed by the firewall if the "Auto" mode is used.

Mandatory communication parameters for u-link VPN clients (Weidmüller hardware and service PC)					
	Protocol / Port	Used DNS name	Currently used Target IP	Comments	Connection type
Registration					
	TCP / 443 ; 80	u-link.weidmueller.com www.u-link.weidmueller.com	13.69.30.109	Registration of a u-link account	Outgoing
WWH (World Wide Heartbeat) for Registration, Still Alive messages and VPN Server request					
	TCP / 443	wwh1-we.aw-cp.de wwh1-ne.aw-cp.de	13.81.4.92 52.169.107.229	Main server Backup server 1	Outgoing
VPN server					
	TCP / 443 (OpenVPN) TCP 5955 (Optional) UDP 1194 (Optional)	vpn3-we.aw-cp.de vpn1-we.aw-cp.de vpn1-ne.aw-cp.de vpn1-wu.aw-cp.de vpn2-wu.aw-cp.de - -	51.136.30.13 52.166.202.111 52.169.106.31 20.51.82.8 20.51.82.9 101.132.149.212 47.101.209.169	Main server (EU) Backup server 1 (EU) Backup server 2 (EU) Main server (America) Backup server 1 (America) Main server (China), mandatory for VPN clients located in China Backup server (China), mandatory for VPN clients located in China	Outgoing
DNS server					
	TCP / 53 UDP / 53	selectable by customer	selectable by customer	DNS request from u-link VPN clients (Weidmüller hardware or service PC) Mandatory for resolving DNS names	Outgoing
NTP server					
	UDP / 123	selectable by customer	selectable by customer	NTP request from u-link VPN clients (Weidmüller hardware or service PC) Correct time setting is important for validity of u-link certificates to be used for VPN connection to u-link VPN server and thus NTP should be used for time synchronization always.	Outgoing

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