

PTP LICENSE

WR-ZEN Family



PTP License for White Rabbit ZEN Family

It is the package that unleashes the full potential of the WR-ZEN family products to provide PTP interoperability. The PTP license allows you to unlock the possibility of configuring relevant PTP parameters such as the PTP messages ratios for the announce, sync and delay request packets.

Besides, it allows to unlock the necessary options to configure other profiles than the default such as telecom profiles ITU-T G.8265.1, G.8275.1 and power profiles C37.238-2011/2017 and IEEE/IEC 61850-9-3.

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Technical Specifications



Software Specifications / PTP license

System On-Chip	
Ports available	All SFP ports (WRx)
Roles	Master and slave, only master, only slave
Interoperability	A device can be a WR slave and PTP master. It can also work as WR and PTP master at the same time.

Software	
Daemon	PTP4L
Profiles	<ul style="list-style-type: none"> • Default • ITU-T G.8265.1 • ITU-T G.8275.1 (not supported en fw v5.0) • IEEE C37.238-2011 • IEEE/IEC 61850-9-3
Max slaves	16 unicast clients

Configuration options		
Options	With license	Without license (default profile)
Mode	Master, disabled	Master, disabled
Transfer mode	Multicast, unicast or hybrid	Multicast
Unicast negotiation	Enabled or disabled	Disabled
Clock class	0 – 255	0
Announce ratio	-4 – 4 (1 msg 16s – 16 msg/s)	1 msg/sec
Sync ratio	-7 – 7 (1 msg 128s – 128 msg/s)	1 msg/sec
Delay Req. ratio	-7 – 7 (1 msg 128s – 128 msg/s)	1 msg/sec
Delay Mechanism	End to End (E2E) or Peer to Peer (P2P)	End to end (E2E)
Network mode	IPv4 or Ethernet (layer 2)	IPv4
Domain	0 – 255	0
Priority 1	0 – 255	0
Priority 2	Any number	0
Offset correction (ns)	Any number	0
Servo K_p	Any number	1
Servo K_i	Any number	1

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