

GOKK-1



Timebeat's GOKK-1 has a bunch of features you might not expect

Features:

- System clock synchronisation
- Selective PHC synchronisation
- PTP+Squared root node
- PTP+Squared mesh node
- External device monitoring including:
 - Arista boundary clock metrics
 - Spectracom SecureSync metrics
- vGMC multi tenancy distribution features
- Multiple steering algorithms
- Custom step & slew limits
- Multiple filtering options inc. lucky packet
- CLI interface via ssh
- PHC smoothing
- Custom PHC offset strategies



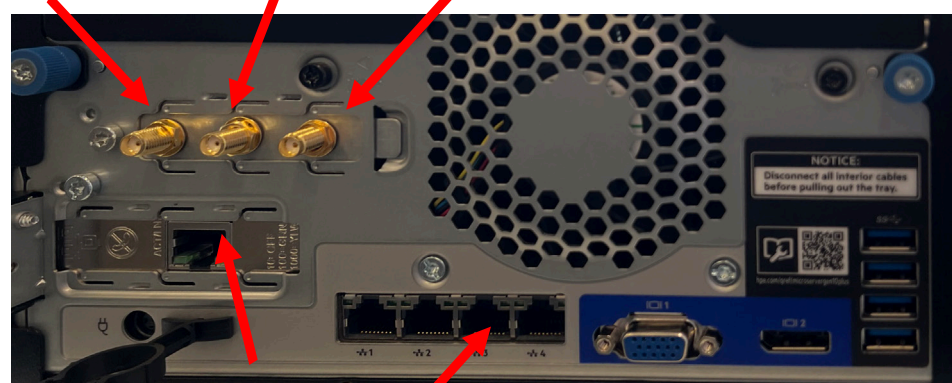
PTP+Squared: is a combination of classic PTP unicast sessions between hosts setup automatically by a peer-to-peer network. The overlay peer-to-peer network uses a distributed hash table and PubSub to perform common mesh / grid tasks:

- PTP source capacity announcement: Using efficient "PubSub" message routing
- PTP unicast setup, maintenance and teardown
- Time error dissemination upstream and downstream

vGMC technology provides multi-tenancy PTP sessions securely without data bleed or cross client data transfer, some features include:

- PTP provisioning at runtime
- Smart vLAN and VRF provisioning
- PTP templates

GNSS ANT 10Mhz OUT PPS OUT/IN



1gbps

1gbps

The Specs



Processor		
Processor family	Intel® Pentium®	
Processor frequency	3.8 GHz	2 Cores
Processor operating modes	64-bit	
Memory		
Internal memory	8 GB	
Power supply	180 W	
Ports & interfaces		
Ethernet LAN (RJ45) ports	4	1gbps
Network adapter	1	1gbps
Weight & dimensions		
Width x Depth x Height	116 x 245 x 245 mm	
Weight	4.23 kg	
GNSS		
GPS	YES	
Beidou/Galileo/Glonass	NO	
Inputs		
PTP	YES	Multicast/Unicast/Hybrid Layer 2 & Layer 4 PTP Profiles: G.8275.1, G.8265.1, enterprise-draft
NTP	YES	
PPS	YES	PPS IN can be used when PPS OUT is not in use
NMEA	YES	
PHC Device	YES	
Outputs		
PPS	YES	PPS OUT can be used when PPS IN is not in use
PTP	YES	
10Mhz	YES	
OCXO		
Holdover	24us/1 hours	
Software		
Timebeat Enterprise	1 year license	Full Enterprise features and PTP+Squared