GRISM G8s, G8i, T12s & T12s-BP2, T20 Product Introduction

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G8s Product Specification

Model	GRISM G8s
Dimension	1U, 17.3" W x 11.5" D x 1.7" H
Weight	W. 3.4Kgs/G.W. 5.2kgs
CPU Core Numbers	4 Cores
Network Interface	1G RJ45 x 8
Hardware Bypass	2 pairs
Management Interface	1G RJ45*1
System Management	HTTPS, CLI, XML over sFTP, SNMP V2/V3
LoadBalancing Group	8
L2-L4 Filter	eth.addr / eth.src / eth.dst / eth.type vlan.id / vlan.l2.id / vlan.priority ip / ip.addr / ip.src / ip.dst / ip.proto / ip.fragment / ip.flags.df / ip.flags.mf / ip.dsfield / ipv6 / ipv6.addr / ipv6.src / ipv6.dst / ipv6.nxt tcp / tcp.port / tcp.srcport / tcp.dstport / tcp.flags.syn / tcp.flags.ack / tcp.flags.fin / tcp.flags.reset udp / udp.port / udp.srcport / udp.dstport sctp / sctp.port / sctp.srcport / sctp.dstport 5-tuple
L4-L7 Filter	gtp.cp / gtp.data / gtp.imsi / gtp.teid ip.addr.related.gtp.imsi voip / voip.account / voip.from / voip.to dns.a / dns.flags.response / dns.count.add_rr / dns.qry.type / dns.qry.name / dns.qry.name_public_suffix / dns.qry.name.resp.ip.addr http / http.request / http.request.method / http.request.url ssl / ssl.server_name / ssl.server_name_public_suffix / ssl.handshake.type / ssl.ja3_digest arp / arp.request / arp.reply / arp.request.target.ip / arp.request.sender.ip ftp / regex / grism.srcport / grism.port.linkdown / session.packet.nth heartbeat.target.miss.nth / heartbeat.target.miss.id flowtable.matched.fid / flowtable.inport / gre / erspan.spanid
Heartbeat Detection	User-customized Hearbeat for the inline devices
Metadata Extraction	1:1 Netflow/DNS syslog/SSL syslog
Forwarding and Replication	8Gbps
Basic L2-L4 Throughput	8Gbps
Advanced Processing (Netflow) Throught	4Gbps
Advanced L4-L7 Throughput	4Gbps
IoC (IP/Domain) Capacity	1M
Power Supply	Single Power 100W AC100-240V
Temperature	0~40ºC Operating / -20~70ºC Non-Operating

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G8s Product Front Panel View

8 x 1GE RJ45

1x RJ45 Console
1x USB 3.0

1x GE RJ45 (MGMT)

CONSOLE

MGMT

CONSOLE

USB

1x Pair Bypass

1x Pair Bypass

1x Type C Console

1x F/D
(Factory
Default)

1x Status User Define(G/R) (GPIO)
1x PWR
2x Bypass LED

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G8s Product Rear Panel View

1 x PWR Switch

2x System Fans

1 x 100W
AC 100 V-240V
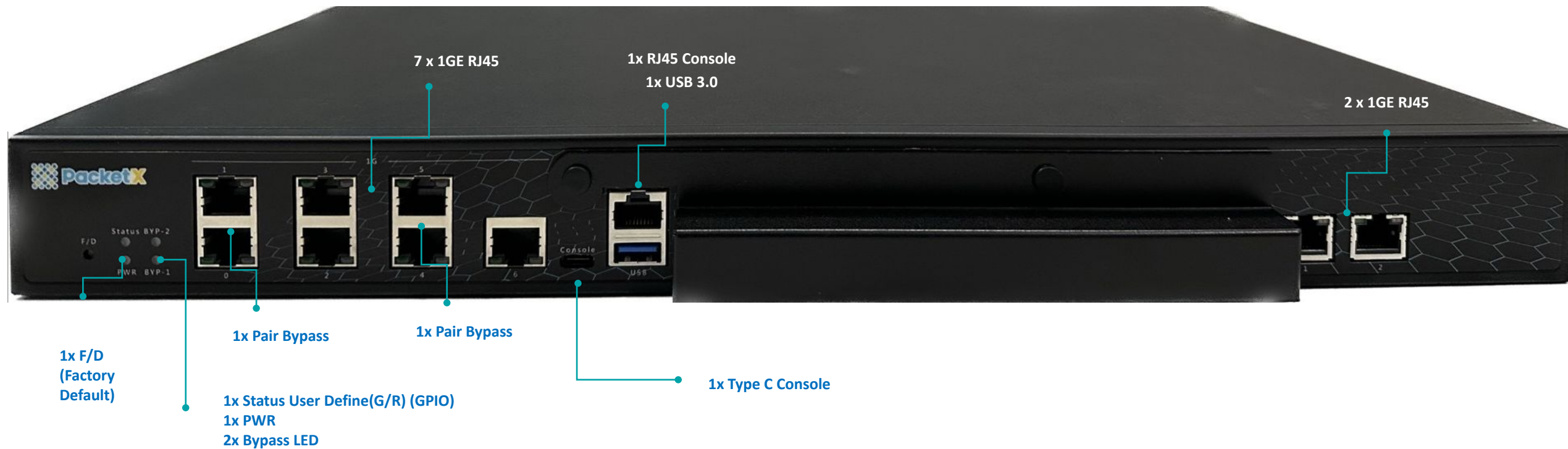Power Inlet

1x Grounding Lug

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G8i-BP2 Product Specification

Model	GRISM G8i-BP2
Dimension	1U, 17.3" W x 11.5" D x 1.7" H
Weight	W. 4Kgs/G.W. 6kgs
CPU Core Numbers	4 Cores
Network Interface	1G RJ45 x 9
Hardware Bypass	2 pairs
System Management	HTTPS, CLI, XML over sFTP, SNMP V2/V3
LoadBalancing Group	8
L2-L4 Filter	eth.addr / eth.src / eth.dst / eth.type vlan.id / vlan.l2.id / vlan.priority ip / ip.addr / ip.src / ip.dst / ip.proto / ip.fragment / ip.flags.df / ip.flags.mf / ip.dsfield / ipv6 / ipv6.addr / ipv6.src / ipv6.dst / ipv6.nxt tcp / tcp.port / tcp.srcport / tcp.dstport / tcp.flags.syn / tcp.flags.ack / tcp.flags.fin / tcp.flags.reset udp / udp.port / udp.srcport / udp.dstport sctp / sctp.port / sctp.srcport / sctp.dstport 5-tuple
L4-L7 Filter	gtp.cp / gtp.data / gtp.imsi / gtp.teid ip.addr.related.gtp.imsi voip / voip.account / voip.from / voip.to dns.a / dns.flags.response / dns.count.add_rr / dns.qry.type / dns.qry.name / dns.qry.name_public_suffix / dns.qry.name.resp.ip.addr http / http.request / http.request.method / http.request.url ssl / ssl.server_name / ssl.server_name_public_suffix / ssl.handshake.type / ssl.ja3_digest arp / arp.request / arp.reply / arp.request.target.ip / arp.request.sender.ip ftp / regex / grism.srcport / grism.port.linkdown / session.packet.nth heartbeat.target.miss.nth / heartbeat.target.miss.id flowtable.matched.fid / flowtable.inport / gre / erspan.spanid
Heartbeat Detection	User-customized Hearbeat for the inline devices
Metadata Extraction	1:1 Netflow/DNS syslog/SSL syslog
Forwarding and Replication	8Gbps
Basic L2-L4 Throughput	8Gbps
Advanced Processing (Netflow) Throught	4Gbps
Advanced L4-L7 Throughput	4Gbps
IoC (IP/Domain) Capacity	1M
Power Supply	Single Power 100W AC100-240V
Temperature	0~40ºC Operating / -20~70ºC Non-Operating

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G8i-BP2 Product Front Panel View

7 x 1GE RJ45

1x RJ45 Console
1x USB 3.0

2 x 1GE RJ45

1x Pair Bypass

1x Pair Bypass

1x Type C Console

1x F/D
(Factory
Default)

1x Status User Define(G/R) (GPIO)
1x PWR
2x Bypass LED

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G8i-BP2 Product Rear Panel View

1 x PWR Switch

2x System Fans

1 x 100W
AC 100 V-240V
Power Inlet

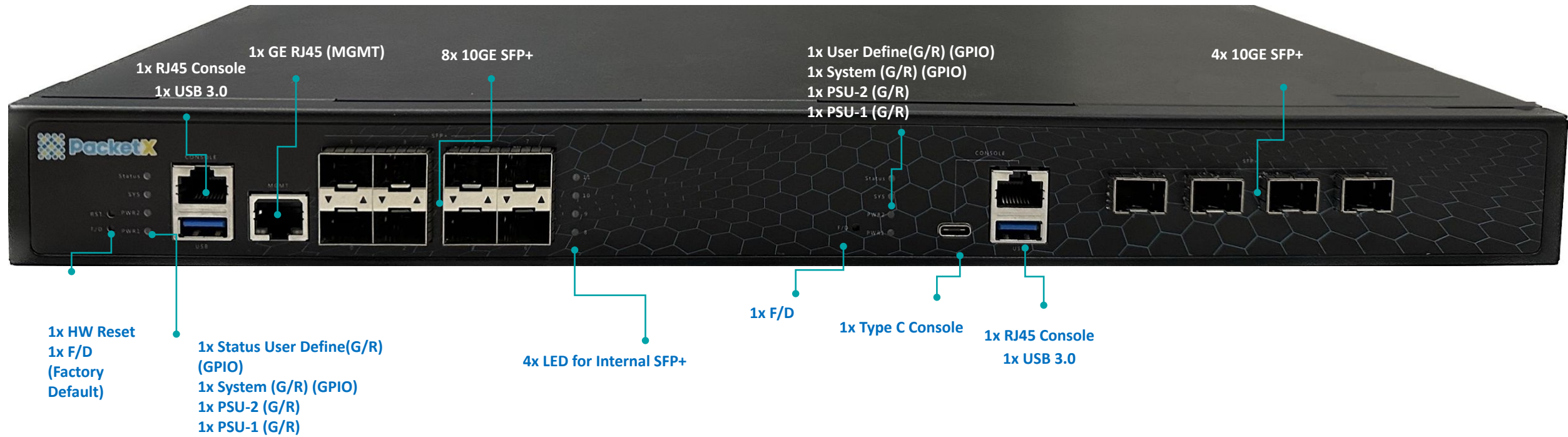1x Grounding Lug

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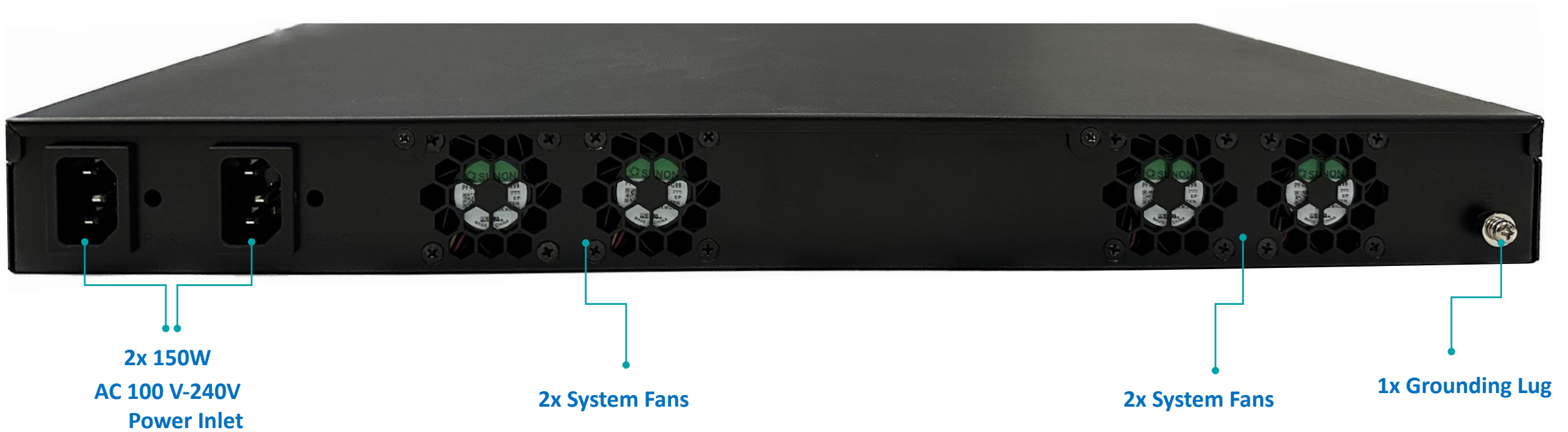
T12s Product Specification

Model	GRISM T12s
Dimension	1U, 17.3" W x 13.6" D x 1.7" H
Weight	N.W. 5 kgs/G.W. 6.9 kgs
CPU Core Numbers	16 Cores
Network Interface	10G SFP+ x 12
Hardware Bypass	None
Management Interface	1G RJ45*1
System Management	HTTPS, CLI, XML over sFTP, SNMP V2/V3
LoadBalancing Group	8
L2-L4 Filter	eth.addr / eth.src / eth.dst / eth.type vlan.id / vlan.l2.id / vlan.priority ip / ip.addr / ip.src / ip.dst / ip.proto / ip.fragment / ip.flags.df / ip.flags.mf / ip.dsfield / ipv6 / ipv6.addr / ipv6.src / ipv6.dst / ipv6.nxt tcp / tcp.port / tcp.srcport / tcp.dstport / tcp.flags.syn / tcp.flags.ack / tcp.flags.fin / tcp.flags.reset udp / udp.port / udp.srcport / udp.dstport sctp / sctp.port / sctp.srcport / sctp.dstport 5-tuple
L4-L7 Filter	gtp.cp / gtp.data / gtp.imsi / gtp.teid ip.addr.related.gtp.imsi voip / voip.account / voip.from / voip.to dns.a / dns.flags.response / dns.count.add_rr / dns.qry.type / dns.qry.name / dns.qry.name_public_suffix / dns.qry.name.resp.ip.addr http / http.request / http.request.method / http.request.url ssl / ssl.server_name / ssl.server_name_public_suffix / ssl.handshake.type / ssl.ja3_digest arp / arp.request / arp.reply / arp.request.target.ip / arp.request.sender.ip ftp / regex / grism.srcport / grism.port.linkdown / session.packet.nth heartbeat.target.miss.nth / heartbeat.target.miss.id flowtable.matched.fid / flowtable.inport / gre / erspan.spanid
Heartbeat Detection	User-customized Hearbeat for the inline devices
Metadata Extraction	1:1 Netflow/DNS syslog/SSL syslog
Forwarding and Replication	120Gbps
Basic L2-L4 Throughput	60Gbps
Advanced Processing (Netflow) Throught	40Gbps
Advanced L4-L7 Throughput	25Gbps
IoC (IP/Domain) Capacity	3M
Power Supply	Dual Power 150W AC100-240V
Temperature	0~40ºC Operating / -20~70ºC Non-Operating

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T12s Product Front Panel View

1x RJ45 Console
1x USB 3.0

1x GE RJ45 (MGMT)

8x 10GE SFP+

1x User Define(G/R) (GPIO)
1x System (G/R) (GPIO)
1x PSU-2 (G/R)
1x PSU-1 (G/R)

4x 10GE SFP+

1x HW Reset
1x F/D
(Factory
Default)

1x Status User Define(G/R)
(GPIO)
1x System (G/R) (GPIO)
1x PSU-2 (G/R)
1x PSU-1 (G/R)

4x LED for Internal SFP+

1x F/D

1x Type C Console

1x RJ45 Console
1x USB 3.0

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T12s Product Rear Panel View

2x 150W
AC 100 V-240V
Power Inlet

2x System Fans

2x System Fans

1x Grounding Lug
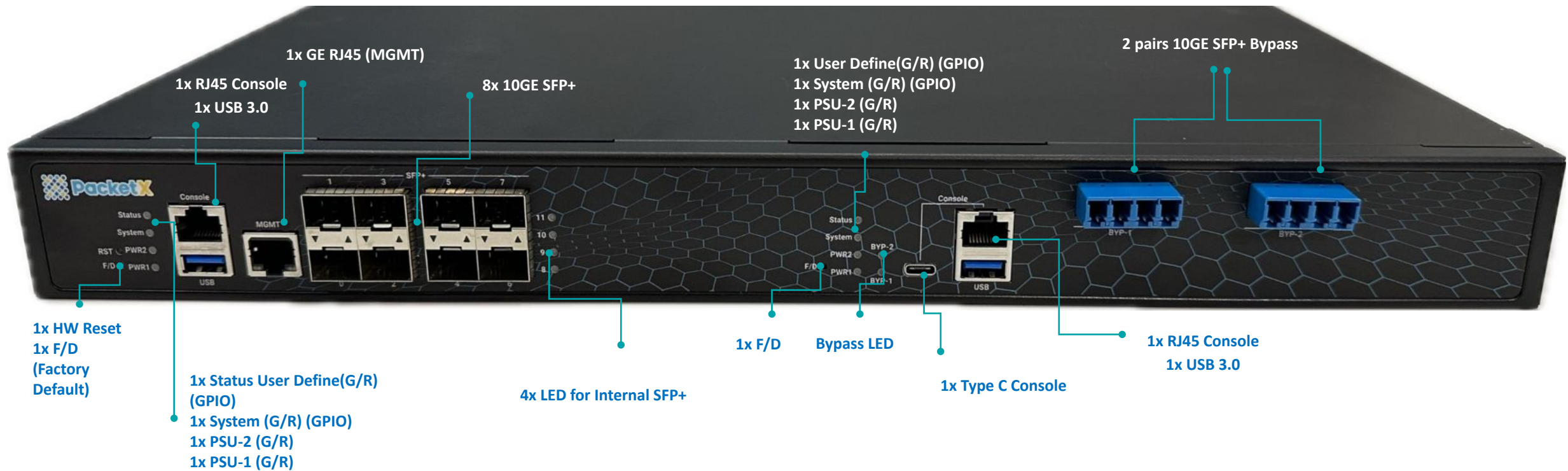
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T12s-BP2 Product Specification

Model	GRISM T12s-BP2
Dimension	1U, 17.3" W x 13.6" D x 1.7" H
Weight	N.W. 5 kgs/G.W. 6.9 kgs
CPU Core Numbers	16 Cores
Network Interface	10G SFP+ x 12
Hardware Bypass	2 pairs 10G (included)
Management Interface	1G RJ45*1
System Management	HTTPS, CLI, XML over sFTP, SNMP V2/V3
LoadBalancing Group	8
L2-L4 Filter	eth.addr / eth.src / eth.dst / eth.type vlan.id / vlan.l2.id / vlan.priority ip / ip.addr / ip.src / ip.dst / ip.proto / ip.fragment / ip.flags.df / ip.flags.mf / ip.dsfield / ipv6 / ipv6.addr / ipv6.src / ipv6.dst / ipv6.nxt tcp / tcp.port / tcp.srcport / tcp.dstport / tcp.flags.syn / tcp.flags.ack / tcp.flags.fin / tcp.flags.reset udp / udp.port / udp.srcport / udp.dstport sctp / sctp.port / sctp.srcport / sctp.dstport 5-tuple
L4-L7 Filter	gtp.cp / gtp.data / gtp.imsi / gtp.teid ip.addr.related.gtp.imsi voip / voip.account / voip.from / voip.to dns.a / dns.flags.response / dns.count.add_rr / dns.qry.type / dns.qry.name / dns.qry.name_public_suffix / dns.qry.name.resp.ip.addr http / http.request / http.request.method / http.request.url ssl / ssl.server_name / ssl.server_name_public_suffix / ssl.handshake.type / ssl.ja3_digest arp / arp.request / arp.reply / arp.request.target.ip / arp.request.sender.ip ftp / regex / grism.srcport / grism.port.linkdown / session.packet.nth heartbeat.target.miss.nth / heartbeat.target.miss.id flowtable.matched.fid / flowtable.inport / gre / erspan.spanid
Heartbeat Detection	User-customized Hearbeat for the inline devices
Metadata Extraction	1:1 Netflow/DNS syslog/SSL syslog
Forwarding and Replication	120Gbps
Basic L2-L4 Throughput	60Gbps
Advanced Processing (Netflow) Throught	40Gbps
Advanced L4-L7 Throughput	25Gbps
IoC (IP/Domain) Capacity	3M
Power Supply	Dual Power 150W AC100-240V
Temperature	0~40ºC Operating / -20~70ºC Non-Operating

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T12s-BP2 Product Front Panel View

1x GE RJ45 (MGMT)

1x RJ45 Console
1x USB 3.0

8x 10GE SFP+

1x User Define(G/R) (GPIO)
1x System (G/R) (GPIO)
1x PSU-2 (G/R)
1x PSU-1 (G/R)

2 pairs 10GE SFP+ Bypass

1x HW Reset
1x F/D
(Factory Default)

1x Status User Define(G/R) (GPIO)
1x System (G/R) (GPIO)
1x PSU-2 (G/R)
1x PSU-1 (G/R)

4x LED for Internal SFP+

1x F/D

Bypass LED

1x Type C Console

1x RJ45 Console
1x USB 3.0

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T12s-BP2 Product Rear Panel View

2x 150W

AC 100 V-240V
Power Inlet

2x System Fans

2x System Fans

1x Grounding Lug

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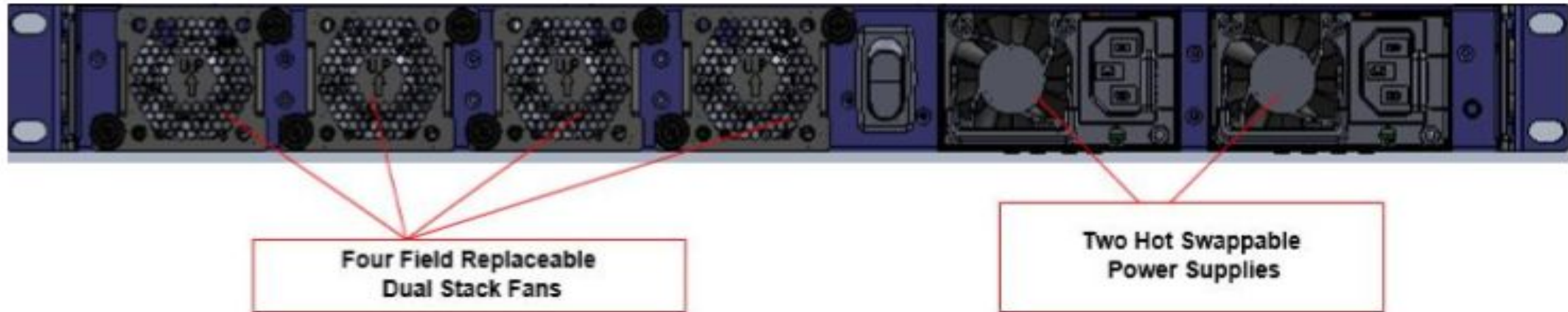
T20/F2T12/F4T4 Product Specification

Model	GRISM G8s
Dimension	1U, 16.8" W x 21" D x 1.7" H
Weight	20.7 lbs. (9.39 kg)
CPU Core Numbers	48 Cores
Network Interface	10G SPF+ x 20 / 40G QSPF+ x2 + 10G SPF+ x 12 / 40G QSPF+ x4 + 10G SPF+ x 4
Hardware Bypass	None
Management Interface	1G RJ45*1
System Management	HTTPS, CLI, XML over sFTP, SNMP V2/V3
LoadBalancing Group	16
L2-L4 Filter	eth.addr / eth.src / eth.dst / eth.type vlan.id / vlan.l2.id / vlan.priority ip / ip.addr / ip.src / ip.dst / ip.proto / ip.fragment / ip.flags.df / ip.flags.mf / ip.dsfield / ipv6 / ipv6.addr / ipv6.src / ipv6.dst / ipv6.nxt tcp / tcp.port / tcp.srcport / tcp.dstport / tcp.flags.syn / tcp.flags.ack / tcp.flags.fin / tcp.flags.reset udp / udp.port / udp.srcport / udp.dstport sctp / sctp.port / sctp.srcport / sctp.dstport 5-tuple
L4-L7 Filter	gtp.cp / gtp.data / gtp.imsi / gtp.teid ip.addr.related.gtp.imsi voip / voip.account / voip.from / voip.to dns.a / dns.flags.response / dns.count.add_rr / dns.qry.type / dns.qry.name / dns.qry.name_public_suffix / dns.qry.name.resp.ip.addr http / http.request / http.request.method / http.request.url ssl / ssl.server_name / ssl.server_name_public_suffix / ssl.handshake.type / ssl.ja3_digest arp / arp.request / arp.reply / arp.request.target.ip / arp.request.sender.ip ftp / regex / grism.srcport / grism.port.linkdown / session.packet.nth heartbeat.target.miss.nth / heartbeat.target.miss.id flowtable.matched.fid / flowtable.inport / gre / erspan.spanid
Heartbeat Detection	User-customized Hearbeat for the inline devices
Metadata Extraction	1:1 Netflow/DNS syslog/SSL syslog
Forwarding and Replication	200Gbps
Basic L2-L4 Throughput	120Gbps
Advanced Processing (Netflow) Throught	90Gbps
Advanced L4-L7 Throughput	50Gbps
IoC (IP/Domain) Capacity	10M
Power Supply	Dual Power 356W AC100-240V
Temperature	0~40ºC Operating / -20~70ºC Non-Operating

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T20 Product Front Panel View

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T20 Product Rear Panel View

Four Field Replaceable Dual Stack Fans

Two Hot Swappable Power Supplies

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- Thank You
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