

Micas Networks is set to transform the next-generation AI networking.

Our mission is to accelerate our customers' adoption of disaggregated, AI enabling networks. We are committed to innovation, putting our customers first, and operational excellence. We leverage world class partnerships and open-source software to deliver solutions that are both leading-edge and cost-effective.

Network Operating Systems



Open Networking Ecosystem Partners



Partners



Delivering Product Today

Micas Networks offers a broad and comprehensive portfolio of open networking products that support multiple variations of SONiC and offers customizable features.

Strong Engineering and Manufacturing



At the core of Micas Networks is an exceptional engineering and support team dedicated to providing customers with unwavering confidence. We understand that dependable infrastructure requires reliable backing. In alignment with this vision, we are expanding our factory capacity in Malaysia, reinforcing our commitment to surpassing customer expectations.

Contributing to the Open Compute Project

Micas Networks believes in contributing back to the community and works to support the Open Compute Project. Additionally, they support the Linux Foundation, and DENT. Our contributions to the advancement of these technologies underscore our dedication to propelling the industry forward and fostering collaborative progress for the greater good.



Data Center Switches (White Box)

	1G Switch	10G/25G Switch		100G Switch	
Product Line Overview					
Product Model	M2-W6510-48GT4V	M2-W6510-48V8C	M2-W6510-32C	M2-W6910-64C	M2-W6920-4S
Height	1 RU	1 RU	1 RU	2 RU	4 RU
System	SONiC	SONiC	SONiC	SONiC	SONiC
Throughput (full duplex)	296 Gbps	4.0 Tbps	6.4 Tbps	12.8 Tbps	25.6 Tbps
Packets/Second	220 Mpps	2003.4Mpps	2003.4Mpps	4.4 Bpps	8 Bpps
Port description	48 × 10/100/1000 BASE-T+ 4 × 25G SFP28	48 × 25G SFP28 + 8 × 100G QSFP28	32 × 100G QSFP28	64 × 100G QSFP28	128 × 100G QSFP28
System Memory	4 GB (Up to 8 GB)	8 GB (Up to 32 GB)	8 GB (Up to 32 GB)	8 GB (Up to 32 GB)	8 GB (Up to 32 GB)
Buffer Size	4 MB	32 MB	32MB	42 MB	64 MB
System Storage	64 GB	240 GB	240GB	240 GB	240GB
BMC Option	Yes	Yes	Yes	Yes	Yes
Hot-swap Power Supplies	1+1	1+1	1+1	1+1	2+2
Hot-swappable Fans	1+1	3+1	4+1	2+1	5+1
Airflow Option	Front to Rear / Rear to Front	Front to Rear / Rear to Front	Front to Rear / Rear to Front	Front to Rear	Front to Rear

Data Center Switches (White Box)

	200G Switch	400G Switch		800G Switch	
Product Line Overview					
Product Model	M2-W6520-24DC8QC	M2-W6930-64QC	M2-W6920-32QC2X	M2-W6940-128QC	M2-W6940-64OC
Height	1 RU	4 RU	1 RU	4 RU	2 RU
System	SONiC	SONiC	SONiC	SONiC	SONiC
Throughput (full duplex)	16 Tbps	51.2 Tbps	25.6 Tbps	102.4 Tbps	102.4 Tbps
Packets/Second	2.74 Bpps	10.6 Bpps	8 Bpps	20.3Bpps	20.3Bpps
Port description	24 × 200G QSFP56 + 8 × 400G QSFP-DD	64 × 400GQSFP-DD	32×400G QSFP-DD +2×10G SFP+	128×400G QSFP112	64×800G OSFP + 2×25G SFP28
System Memory	16 GB (Up to 64 GB)	16 GB (Up to 64 GB)	8 GB (Compatible: 16 GB)	16 GB (Up to 32 GB)	32 GB
Buffer Size	82 MB	113MB	64 MB	165.2MB	165.2MB
System Storage	240GB	240GB	64 GB	240 GB	240 GB
BMC Option	Yes	Yes	Yes	Yes	Yes
Hot-swap Power Supplies	1+1	2+2	1+1	2+1	1+1
Hot-swappable Fans	5+1	7+1	5+1	4+1	3+1
Airflow Option	Front to Rear	Front to Rear	Front to Rear / Rear to Front	Front to Rear	Front to Rear

Optical Modules

Model	Form Factor	Connector Type	Cable Type	Max Reach	Data diagnosis (DDM/DOM)	Power consumption [W]	Wave-length [nm]	Tx power [dBm]	Sensitivity [dBm]
10G-SFP-SR	SFP+	Duplex LC	MMF	100m(OM3)/ 300m(OM4)	Yes	≤1.5W	850nm	-7.3dBm to -1dBm	<-11.1dBm
10G-SFP-LR	SFP+	Duplex LC	SMF	10km	Yes	≤1.5W	1310nm	-8.2dBm to 0.5dBm	<-12.6dBm
25G-SFP-SR	SFP28	Duplex LC	MMF	100m OM4& 70m OM3	Yes	≤1.5W	850nm	-8.4dBm to 2.4dBm	<-10.3dBm
100G-QSFP-SR4	QSFP28	MPO 1×12	MMF	70m(OM3)/ 100m(OM4)	Yes	≤3.5W	850nm	-8.4dBm to 2.4dBm	<-5.2dBm
100G-QSFP-LR4	QSFP28	Duplex LC	SMF	10km	Yes	≤4.5W	(1294.53,1296.59) (1299.02,1301.09) (1303.54,1305.63) (1308.09,1310.19)	-4.3dBm to 4.5dBm	<-8.6dBm
100G-QSFP-CWDM4	QSFP28	Duplex LC	SMF	2km	Yes	≤3.5W	(1264.5-1277.5) (1284.5-1297.5) (1304.5-1317.5) (1324.5-1337.5)	-6.5dBm to 2.5dBm	<-10dBm
400G-QDD-DR4	QSFP-DD	MPO 1×12	SMF	500m	Yes	≤12W	(1304.5,1317.5)	-2.9dBm to 4dBm	<-3.9dBm
400G-QDD-FR4	QSFP-DD	Duplex LC	SMF	2km	Yes	≤12W	(1264.5,1277.5) (1284.5,1297.5) (1304.5,1317.5) (1324.5,1337.5)	-3.2dBm to 4.4dBm	<-4.6dBm
400G-QDD-SR8	QSFP-DD	MPO 1×16	MMF	100M OM4	Yes	≤10W	850nm	-6.5dBm to 4dBm	<-6.5dBm
400G-OSFP112-DR4-RHS	OSFP	MPO 1×12	SMF	500m	Yes	≤9W	(1304.5, 1317.5)	-2.9dBm to 4dBm	<-4.4dBm
400G-OSFP112-SR4-RHS	OSFP	MPO 1×12	MMF	70m(OM3)/ 100m(OM4)	Yes	≤9W	(844, 863)	-4.6dBm to 4dBm	<-4.6dBm
400G-OSFP112-VR4-RHS	OSFP	MPO 1×12	MMF	30m(OM3)/ 50m(OM4)	Yes	≤9W	(842, 948)	-4.6dBm to 4dBm	<-4.4dBm
400G-Q112-DR4	QSFP112	MPO 1×12	SMF	500m	Yes	≤9W	(1304.5, 1317.5)	-2.9dBm to 4dBm	<-4.4dBm
400G-Q112-SR4	QSFP112	MPO 1×12	MMF	70m(OM3)/ 100m(OM4)	Yes	≤9W	(844, 863)	-4.6dBm to 4dBm	<-4.6dBm
400G-Q112-VR4	QSFP112	MPO 1×12	MMF	30m(OM3)/ 50m(OM4)	Yes	≤9W	(842, 948)	-4.6dBm to 4dBm	<-4.4dBm
800G-OSFP-2DR4	OSFP	2* MPO-12	SMF	500m	Yes	≤14W	(1304.5, 1317.5)	-2.9dBm to 4dBm	<-4.4dBm