



WinPath3 SuperLite Network Processors

Status: In Production.

[Documentation](#) [Symbols](#)

Microchip's WinPath3-SuperLite (WP3-SL) provides a powerful, yet lower cost solution for high performance network processing. It leverages Microchip's broad portfolio of hardened market-ready protocols and industry preferred I/O interfaces and provides this solution in devices priced less than previous WinPath devices. It has the same processing elements as the WinPath3, but a reduced number (six) running up to 400 MHz. These processing elements support the latest packet based protocols such as Ethernet, PWE3 (for Ethernet TDM, HDLC, ATM), and Packet Network Synchronization (IEEE1588v2, Synchronous Ethernet, adaptive and differential clock recovery). It also supports ML-PPP, IMA, CES, OAM (for Ethernet and ATM), QoS (policing, shaping, per-flow queuing, WRED), plus many other protocols. The WP3-SL incorporates the new WinPath3 hardware accelerators such as a flexible high performance classifier, a hierarchical shaper, an integrated security engine and more. The WP3-SL family broadens the Microchip solution to include a high performance yet lower cost option providing WinPath users a program of minimum design risk and short time to market.

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Product Features

- A sophisticated multi-core communication engine with a large internal program RAM for data path processing
- General-purpose MIPS 34K processor provides on-board control path software processing
- 6 Gigabit Ethernet, 24 Fast Ethernet, 16 TDM
- The Hardware Shaper implements 3-level shaping over up to 4K queues
- The IPsec accelerator supports up to 1 Gbps data encryption and authentication

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All Application Notes

Documentation

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RoHS Information

Product	JEDEC Indicator	ROHS	China EFUP	Device Weight (g)	Shipping Weight (kg)	Lead Time
WP3161W6NFEI-320B1	e1	RoHS	EFUP	2.6411	0.0	6 Weeks
WP3161W1EFEI-320B1	e1	RoHS	EFUP	2.6411	0.0	6 Weeks
WP3161F5NFEI-320B1	e1	RoHS	EFUP	2.6411	0.0	6 Weeks
WP3161D4NFEI-400B1	e1	RoHS	EFUP	2.6411	0.0	6 Weeks
WP3160W6NFEI-320B1	e1	RoHS	EFUP	2.6411	0.0	6 Weeks
T161NFEI-400B1	e1	RoHS	EFUP	2.6411	0.0	6 Weeks
T161NFEI-320B1	e1	RoHS	EFUP	2.6411	0.0	6 Weeks
T161EFEI-400B1	e1	RoHS	EFUP	2.6411	0.0	6 Weeks
T161EFEI-320B1	e1	RoHS	EFUP	2.6411	0.0	6 Weeks
T160NFEI-400B1	e1	RoHS	EFUP	2.6411	0.0	6 Weeks

10 of 11 results

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Shipping Weight = Device Weight + Packing Material weight. Please contact sales office if device weight is not available.

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Product Details	Pins Packaging	Temp Range	Packing Media	Pricing	Availability	Add to Cart
				QUANTITY	USD	
WP3160W6NFEI-320B1	672 BGA	-40C to +85C	Tray (40)	Buy Now Price, Any Volume 1-24 \$130.05 25-99 \$108.34 100+ \$98.53 Estimated High-Volume Pricing Special Pricing Available for Larger Quantities	In Stock : 240 Order now, up to 240 can ship on 21-Apr-2022	<input type="text"/> Add to Cart Multiples of 4
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WP3161W6NFEI-320B1	672 BGA	-40C to +85C	Tray (40)	Buy Now Price, Any Volume 1-24 \$125.42 25-99 \$104.48 100+ \$95.02 Estimated High-Volume Pricing Special Pricing Available for Larger Quantities	In Stock : 80 Order now, up to 80 can ship on 21-Apr-2022	<input type="text"/> Add to Cart Multiples of 4
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WP3161F5NFEI-320B1	672 BGA	-40C to +85C	Tray (40)	Buy Now Price, Any Volume 1-24 \$45.68 25-99 \$38.05 100+ \$34.61 Estimated High-Volume Pricing Special Pricing Available for Larger Quantities	In Stock : 40 Order now, up to 40 can ship on 23-Apr-2022	<input type="text"/> Add to Cart Multiples of 4
WP3161D4NFEI-400B1	672 BGA	-40C to +85C	Tray (40)	Buy Now Price, Any Volume 1-24 \$94.06 25-99 \$78.36 100+ \$71.27 Estimated High-Volume Pricing Special Pricing Available for Larger Quantities	In Stock : 2065 Order now, up to 25 can ship on 21-Apr-2022	<input type="text"/> Add to Cart Multiples of 4



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