NCP1096

Power Over EthernetFETIEEE 802.3bt

IEEE.3btIEEE 802.3af/IEEE 802.3atPower over EthernetPoE-PDNCP1096USB Type CNCP1096PoE FETNCP109690 WNCP1096 AutoclassPD

- IEEE 802.3bt, IEEE 802.3at, IEEE 802.3af compliant - Allows for up to 90 W of power - Guaranteed interoperability between PoE devices
- Part of ON Semiconductor's family of high efficiency solutions for PoE-PD
- Features an internal 71 mΩ pass transistor to support high-power applications
- 5-Event Physical Layer Classification
- Smart power budgeting using Autoclass support which allows the PSE to assign power to each PD efficiently
- Active bridge and hot-swap FET disable when Auxililary supply connected, increases power efficiency where auxiliary supply powers a PD
- Also available with external hot-swap FET for operation >71 W (NCP1095)

- Power over Ethernet Powered Devices (PoE-PD)
- Internet of Things (IoT)
- IEEE 802.3bt (up to class 8 / 90W)
- IEEE 802.3at (up to class 4 / 30W)
- IEEE 802.3af (up to class 3 / 15W)
- Digital Signage
- Satellite Data Networks
- Connected Lighting
- Video and VOIP Telephones
- Security Cameras

	Pricing ($/Unit)	Compliance	Status	Topology	Phases	Control Mode	V_{CC} Min (V)	V_{CC} Max (V)	f_{SW} Typ (kHz)	Package Type
NCP1096PAG	1.8845	Pb H	Active				34.2	57		TSSOP-16 EP
NCP1096PAR2G	1.6389	Pb H	Active				34.2	57		TSSOP-16 EP