

# Igor® Approved

## PoE Power Sourcing Equipment (PSE) List

**Important:** When designing a PoE lighting system and selecting PSE devices, it is important to note the Max Available PoE Power value as compared to the number of PoE Output Ports on each device. *There are instances where the device may not have enough PoE power to run all of the output ports at maximum power levels.* Be sure to identify those scenarios and adjust the PSE count to allow for the required number of PoE ports at the required power levels for the system.

### Cisco Systems, Inc.

#### UPoE+ Network Switches, 90W per Port:

Model Number	Max. PoE Output Ports*	Max Available PoE Power (115VAC/230VAC Input Power)**	Description
C9404R	96	4940W / 11,460W	Catalyst 9400 Series Chassis
C9407R	240	10,985W / 24,025W	Catalyst 9400 Series Chassis
C9410R	384	10,790W / 23,830W	Catalyst 9400 Series Chassis
C9300-24H	24	2,160W	Catalyst 9300 Series 1RU Rackmount Switch
C9300-48H	32	2880W	Catalyst 9300 Series 1RU Rackmount Switch

\* C9400-LC-48U line cards are compatible with Igor Rev. 5 Nodes

\*C9400-LC-48H line cards are compatible with Igor Rev. 6 Nodes

\*\*With 230VAC input power, less PoE power is available with 115VAC input power

#### UPoE Network Switches, 60W per Port:

Model Number	PoE Output Ports	Max Available PoE Power	Description
CDB-8U	8	480W	Catalyst Digital Building Series Switch
CDB-3850-24U-L	24	1800W	Catalyst Digital Building Series Switch
CDB-3850-48U-L	48	1800W	Catalyst Digital Building Series Switch
WS-C3850-24U-L	24	1800W	Catalyst 3850 Series Switch
WS-C3850-48U-L	48	1800W	Catalyst 3850 Series Switch

## Cisco Systems, Inc. (cont.)

Each Cisco 3850 Series switch can be configured with a maximum of two 1100-watt power supplies. The maximum PoE power budget per switch is 1800 watts\*\*\*, regardless of the switch model in use.

**\*\*\*ATTENTION:** For the 48-port versions of these switches, only 30 ports (1800W / 60W) can be used at the maximum power rating of 60W/port. To utilize more than 30 UPoE ports with Igor nodes, the *power inline auto max* command can be set on individual ports to reserve PoE power for additional ports. See Igor document ID-4122 for details on this command. The 24-port switch versions will have enough PoE power to supply 60W on all ports.

### PoE+ Network Switches, 30W per Port:

Model Number	PoE Output Ports	Max Available PoE Power	Description
CDB-8P	8	240W	Catalyst Digital Building Series Switch
3560C-8PC-S	8	120W	Catalyst 3560-C Series Switch
3560CX-12PC-S	12	240W	Catalyst 3560-CX Series Switch

### Non-PoE (Data Only) Network Switches:

(for use with PoE midspans and power injectors)

Model Number	Ports	Max Available PoE Power	Description
SF300-24	24	N/A	Small Business 300 Series Managed Switch (SRW224G4-K9-NA)
SF300-48	48	N/A	Small Business 300 Series Managed Switch (SRW248G4-K9-NA)
SF350-24	24	N/A	Small Business 350 Series Managed Switch (SF350-24-K9-NA)
SF350-48	48	N/A	Small Business 350 Series Managed Switch (SF350-48-K9-NA)

## Microsemi Corp.

### PoE++ Network Switches, Up to 72W per Port:

Model Number	PoE Output Ports	Max Available PoE Power	Description
PDS-208G	8	240W	Fanless Switch, Plenum-Rated, AC Input, 10/100/1000Base-T

## Microsemi Corp. (cont.)

PoE++ Midspans and Injectors, Up to 95W per Port:

Model Number	PoE Output Ports	Max Available PoE Power	Description
PD-9606G/ACDC/M	6	1000W	6-port Midspan/Injector, AC&DC Input, 10/100/1000Base-T
PD-9612G/ACDC/M	12	1000W	12-port Midspan/Injector, AC&DC Input, 10/100/1000Base-T

PoE++ Midspans and Injectors, Up to 72W per Port:

Model Number	PoE Output Ports	Max Available PoE Power	Description
PD-9506G/ACDC/M	6	450W	6-port Midspan/Injector, AC&DC Input, 10/100/1000Base-T
PD-9512G/ACDC/M	12	1000W	12-port Midspan/Injector, AC&DC Input, 10/100/1000Base-T
PD-9524G/ACDC/M	24	1000W	24-port Midspan/Injector, AC&DC Input, 10/100/1000Base-T

## Ruckus

PoE++ Network Switches, Up to 90W per Port:

Model Number	PoE Output Ports	Max Available PoE Power	Description
ICX 7150-48ZP	48	1480W	(16) Multigigabit (100Mbps/1Gbps/2.5Gbps) ports, each with Power-over-HDBaseT (PoH) up to 90 watts, plus (32) 10/100/1000 Mbps ports with PoE+ capabilities.

## Transition Networks

PoE++ Network Switches, 90W per Port:

Model Number	PoE Output Ports	Max Available PoE Power	Description
SISPM1040-582-LRT	8	480W	Managed PoE++ switch suitable for connecting and powering devices in hardened environments.
SM24TBT2DPA	24	1640W	L2 Managed PoE++ Switch, (24) 10/100/1G PoE + (2) 100/1G SFP

PoE+ Network Switches, 30W per Port:

Model Number	PoE Output Ports	Max Available PoE Power	Description
SM8TAT2SA	8	130W	Managed switch with 20Gbps switching capacity. Provides (8) 10/100/1000Base-T copper ports with IEEE 802.3at PoE+ capability and (2) additional 100/1000 dual speed SFP slots.
SM24TAT2SA	24	370W	Managed switch with 52Gbps switching capacity. Provides (24) 10/100/1000Base-T copper ports with IEEE 802.3at PoE+ capability and (2) additional 100/1000 dual speed SFP slots.
SM48TAT4XA-RP	48	1640	Managed PoE+ switch with (48) 10/100/1000 copper ports and (4) dual speed 1G/10G SFP+ slots.

## Versatek

UPoE Network Switches, 60W per Port:

Model Number	PoE Output Ports	Max Available PoE Power	Description
VX-GPU2610	4	250W	L2+ Managed UPOE Switch, (4) 10/100/1G PoE + (2) 100/1G SFP
VX-GPU2626	24	2200W	L2+ Managed UPOE Switch, (24) 10/100/1G PoE + (2) 100/1G SFP

END.