UISP Managed 100Gbps Data Center Leaf Switch

Enterprise-grade, Layer 2/3 data center switch with (48) 25G SFP28 ports, (6) 100G QSFP28 ports, and power supply redundancy.

The UISP Managed 100 Gbps Data Center Leaf Switch (UISP Leaf 100G) is a high-performance, low-latency 100G switch designed for data center and high-density enterprise network applications. Powered by an ARM-based, quad-core processor, the 1RU-sized UISP Leaf 100G supports a range of connection speeds with (48) 25G SFP28 ports and (6) 100G QSFP28 ports to deliver high-bandwidth switching across a wide variety of demanding applications—all while providing best-in-class power consumption and redundancy. Designed to be as intuitive as it is powerful, the UISP Leaf 100G easily integrates with the UISP application to facilitate simple VXLAN network deployment, offering an accessible management alternative to its command-line interface. Also, the switch's 1.3" LCM color touchscreen display allows administrators to easily monitor switch and connection details.

Mechanical

Dimensions	442.4 x 480 x 43.7 mm (17.4 x 18.9 x 1.7")
Weight	Without mount: 8.65 kg (19.1 lb) With mount: 9.75 kg (21.5 lb)
Enclosure material	SGCC steel

Hardware

Processor	Quad core Arm® Cortex®-A57 (1.7GHz)
System memory	DDR4 8GB
On-board flash storage	64MB SPI NOR BOOT 32GB eMMC
Total non-blocking throughput	1.8 Tbps
Networking interface	(6) 40/100G QSFP28 ports (48) 10/25G SFP28 ports
Management interface	(1) USB-C console (1) Reset to factory default button (1) GbE RJ45 port for out-of-band management
RF interface	Bluetooth v4.1
Power method	(2) Universal AC input
Power supply	(2) 550W AC/DC Hot-Swap PSU, 100-240V ~7A Max., 50-60Hz
Supported voltage range	100 to 240VAC
Max. power consumption	175W (exclude SFP28/QSFP28 modules) 350W (include full SFP28/QSFP28 modules)
ESD/EMP protection	Air/contact: ± 12 kV
Airflow direction	Rear to front
LCM display	1.3" touchscreen Bootup animation: bootup in progress Firmware upgrade icon: firmware upgrading Steady white: factory defaults, awaiting adoption Steady blue: device is adopted
Operating temperature	-5 to 40° C (23 to 104° F)
Operating humidity	10 to 95% non-condensing
Certifications	CE, FCC, IC

LEDs

SFP28 data ports	White: 10/25G
QSFP28 data ports	White: 40/100G

FCC

Changes or modifications not expressly approved by the party responsible

for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions.

1. This device may not cause harmful interference, and

2. This device must accept any interference received, including

interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference

when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, maycause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

off and on, the user is encouraged to try to correct the interference by

one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help."

ISED Canada

CAN ICES-3(A)/NMB-3(A)

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and

2. This device must accept any interference, including interference that
   may cause undesired operation of the device.

The device for operation in the band 5150-5250 MHz is only for indoor
use to reduce the potential for harmful interference to co-channel mobile satellite systems.

CAN ICES-3(A)/NMB-3(A)

Le présent appareil est conforme aux CNR d'ISDE Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage;

2. l'appareil doit accepter tout brouillage radioélectrique subi, même si le
   brouillage est susceptible d'en compromettre le fonctionnement.

Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés
uniquement pour une utilisation à l'intérieur afin de réduire les risques
de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

RF Exposure Warning

The antennas used for this transmitter must be installed to provide a separation distance of
 at least 20(FCC/IC) cm from all persons and must not be located or operating in con junction with any other antenna or transmitter.

Les antennes utilisées pour ce transmetteur doivent être installé en considérant une dis tance de séparation de toute personnes d'aumoins 20 (FCC/IC) cm et ne doivent pas être localisé ou utilisé en conflit avec tout autre antenne ou transmetteur.`