

Optical Networking and Systems Laboratory

Equipment and Devices of ADRENALINE N (Optics and Electric)

- 19" Racks, between 38U and 43U (10 units).
- Rack enclosure of 12 or 24 ports (various units)
- Subracks SCHROFF of 6U (4 units).
- CISCO Catalyst Ethernet Switch (7 units).
- CISCO Catalyst WS-C6500-E with 4x10GbE optical ports, 24x1GbE optical ports, 48x10/100/1000 Eth ports.
- KVM of 8 and 16 ports (various units).
- ConnectCore 7U FK (UNC20 module) kit with ARM7TDMI microcontroller (various units).
- Optical switches 2x2 (various units).
- JDSU JXP-01SWAA1 XFP transceiver (various units), 10GE.
- JDSU SFP transceiver (various units), =C-48, SR-1.
- JDSU DWDM transmitter module at 2.5Gb/s (2 units).
- Agility DWDM tunable laser module at 2.5Gb/s (6 units).
- Agility DWDM tunable laser module at 10 Gbs (4 units).
- Bookham DWDM transceiver (2 units).
- Corning optical modulator at 10Gb/s (4 units).
- AVANEX optical modulator at 10Gb/s (3 units).
- MULTIPLEX Optical Receiver, APD at 10 Gb/s (7 units).
- Mux/Demux of 16 DWDM channels, 50 GHz grid (6 units).
- Mux/Demux of 8 DWDM channels, 100 GHz grid (4 units).
- Lightwaves2020 Mux/Demux of 6 DWDM channels. 100 GHz grid (4 units).
- Mux/Demux 1310/1550nm (16 units).
- Media converter (Eth/Optical) (various units).
- Optical coupler 5:95 and 50:50 (various units), 1x2.
- Arrayed Waveguide Grating 18x18 (3 units).
- Photonic Tech. photo-receivers APD 2.5 Gb/s (various units)
- SFP transceiver at 1310nm (various units).
- OWM System Optical Performance Monitor.
- Proximion Optical Performance Monitor (3 units).
- GlimmerGlass Optical Fiber Switch, 32x32 (2 units).
- Polatis Optical Fiber Switch, 32x32.
- W-Onesys transponder (3 units), with UNC20 controller, I2C controller, DWDM tunable and fixed transceiver cards, and SFP CWDM control cards.
- W-Onesys EDFA DWDM amplifier, 1U chassis (18 units).
- Manlight EDFA DWDM OEM module (2 units).
- 25Km Fiber Spool of G655 (NZDSF) SMF (12 units).
- 35Km Fiber Spool of G652 SMF (6 units).

- 50 Km Fiber Spool of G652 SMF (2 units).
- Kaylight 2R regenerator and all-optical wavelength converter.
- Teraxion Tunable Dispersion Compensator Module (2 units).
- JDS tunable filter.
- MICRAM RF amplifier at 10Gb/s (6 units).
- Laser Tech. DWDM optical equalizers (10 units).
- CANON HD Video Camera.
- SONY HD-FULL Monitor.
- HD EO converter and HD OE converter.
- Myricom 10G-PCIE-8A-R PCIe NIC for 10Gb/s XFP tunable (various units).
- MENARA OTN XFP 10Gb/s Full-C Tunable module (4 units).
- FS 10G tunable DWDM XFP 80 Km module (5 units).
- FINISAR WSS module, 1x9, flexi-grid (4 units).
- FINISAR Dual WSS module, 1x20, flexi-grid (4 units).
- FINISAR M2000CB programmable (Pre/Booster) EDFA modules, (14 units).
- INTEL NUC server (2 units).
- 2U and 4U rack mount server (various units).
- FINISAR FTLC9558REPM 100G QSFP28 optical transceiver module, 850nm, 100m (4 units)
- MELLANOX ConnectX-5 100GbE NIC (4 units).
- Raspberry Pi 3B+ and 4B Kits (various units).

Equipment and Devices of ADRENALINE IT Platform

- 19" Racks, between 42U and 43U (8 units).
- CISCO Catalyst Ethernet Switch (6 units).
- KVM of 8 and 16 ports (7 units).
- Rack mount server, 2U or 4U (various units).
- Intel PCIe Quad Ethernet Card (various units).
- Gigabyte GeForce RTX 3090TI, 24GB GPU.