



## FAQ

### **What are the target applications of the CWDM4 MSA?**

The CWDM4 MSA is an open group that targets a common specification for low cost 100G optical interfaces that run up to 2 km in datacenter applications.

### **What is the target architecture for the CWDM4 MSA?**

The MSA will use CWDM (Coarse Wavelength Division Multiplexing) technology with 4 lanes of 25 Gb/s optically multiplexed onto and demultiplexed from duplex single mode (SMF) fiber.

### **Which companies have agreed to be part of the CWDM4 MSA?**

The five founding members are Avago Technologies, Finisar, JDSU, Oclaro, and Sumitomo Electric. In September 2014, additional members were announced including: Brocade, ColorChip, Hitachi Metals, Juniper Networks, Kaiam, Mitsubishi Electric, Neophotonics, Oplink, Skorpios Technologies, and SiFotonics.

### **What is the target optical budget?**

The MSA is targeting an insertion loss budget of close to 5 dB.

### **What specifications are the CWDM4 MSA targeting?**

To meet the cost sensitive requirements of datacenters, the MSA is targeting receiver sensitivity and output power specs that enable high yielding products across a diverse set of technologies and differing module suppliers. The CWDM wavelength grid enables operation without the expense and power required for internal cooling, e.g. thermo-electric cooling (TEC).

### **What is the target form factor of the CWDM4 MSA?**

Form factor will not be defined in this MSA, though the MSA's expectation is that this interface would likely be highly adopted in the QSFP28 form factor.

### **When will the CWDM4 MSA specification be available? Where can I find a copy?**

The CWDM4 specification revision 1.0 was released in September 2014. It can be downloaded from [www.cwdm4-msa.org](http://www.cwdm4-msa.org).

**For more information, contact your local sales representative from Avago, Finisar, JDSU or Oclaro or visit our website: [www.cwdm4-msa.org](http://www.cwdm4-msa.org).**