



## FTTMax™ Optical Line Terminal (OLT)

### Specifications

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#### Transmitter

Data Rate	Symmetrical: 1.25 Gbps Asymmetrical: 2.5 Gbps x 1.25 Gbps (Turbo Mode)
Laser	Class 1
Wavelength	1490 nm ±10 nm
Launch Power	2 to 7 dBm, average

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#### Receiver

Sensitivity (Dynamic Range)	-7 to -30 dBm
Overload	-6 dBm
Maximum Input	4 dBm
Wavelength	1310 nm ±50 nm

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#### GEPON Network Interface

Features	SFP with Digital RSSI (ARRIS part number 1506093)
Slots	Two SFP slots on front panel
Connector	1000Base-PX20, SC/PC

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#### Ethernet Uplink Interfaces

Interface	Two 1000 Mbps Base-T Two RJ45s (on front panel)
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#### EPON MAC Specifications

Compliance	IEEE 802.3ah 1000Base-PX/U Standard
Features	Multiple queue management; Bandwidth management support (DBA and flow control); Multiple LLID support; Downstream encryption support

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#### Layer 2 Specifications

Compliance	IEEE 802.1p/q, IEEE 802.1D, IEEE 802.3x support
Features	IGMP snooping and proxy support; MAC-filtering, rate-limiting support; VLAN support; Loopback

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#### MIB Support

DOCS-CABLE-DEVICE-MIB	RFC 4639
DOCS-IF3-MIB	DOCSIS OSSI v3.0
DOCS-IF-MIB	RFC 4546
DOCS-L2VPN-MIB	DOCSIS L2VPM Specification
DOCS-QOS3-MIB	DOCSIS OSSI v3.0
DOCS-QOS-MIB	(draf-ietf-ipcdn-qos-mib-06.txt)
DOCS-IETF-QOS-MIB	RFC 4323
DOCS-SUBMGMT3-MIB	DOCSIS OSSI v3.0
IF-MIB	RFC 2863
SNMPv2-MIB	RFC 3418

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# ARRIS Technical Specification

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## Specifications Continued

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### Mechanical Specifications

Dimensions (H x W x D)	8.89 cm (3.5 in) x 3.18 cm (1.25 in) x 44.45 cm (17.5 in)
Weight	1.22 kg (2.7 lb)

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### Environmental Specifications

Operating Temperature	0° C (32° F) to 50° C (122° F)
Humidity	5 to 85% relative

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### General Compliance

EMI	FCC Part 15
Safety	CE

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### Other Features

QoS	Ethernet QoS Line-rate layer 2/3/4 filtering and classification Multiple Queue and Strict Priority (SP) support
Management	DOCSIS monitoring and service provisioning using DOCSIS Control Interface (DCI) Command line interface SNMP V2 support Remote upgrading of software and firmware In-band management using CHP Max5000 SMM-2 system management module Out-of-band management using fast Ethernet port on each OLT ONU in-band management

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Specifications are subject to change without notice.

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