Khwahish
Technologies Private Limited

KONT- 1701

Subscriber End Equipment

Feature Summary

- IEEE 802.3ah compliant
- Indoor wall or table mount
- One 10/100/1000Base-T Ethernet RJ-45 port
- Built-in L2 switch with dynamic bridging, (802.1q tagged, untagged, port based, 802.1ad double tagged)
- MAC and LOID based activation and authentication
- 10/100/1000Mbps auto-negotiation
- MDI/MDIX auto detection
- Support firmware upgrade via remote server

Uplink interface

Standard	Fully IEEE 802.3ah compliant
Line rate	Downstream: 1Gbps; Upstream: 1Gbps
Connector	SC/UPC, single-mode-fiber
Wavelength	Transmit: 1310nm; Receive: 1490nm
Tx Output pwr	+0.5 to +5.0 dBm launch power
Rx Sensitivity	-27dBm
Rx Overload	-8 dBm
Activation	Activation with automatic discovered MAC and LOID

Ethernet interface

Type	1x 10/100/1000 Base-T interface
Connector	RJ-45 connectors
Link	auto-negotiation and MDI/MDIX auto-sensing

Power

AC Adapter	12V (feed via external AC/DC Adapter)
DC Connector	2-pin Power adaptor input
Control	Power ON/OFF pushbutton on rear
Power	less than 20W, Dying Gasp support

Physical

Temperature	-0 °C to 50 °C
Humidity (RH)	5 %to 95% relative humidity
Mounting	Table or wall mounting
LED Indicators	SYS, GE, PON, LOS & SYS
Dimension	30mmx 120mm x80mm (H x W x D)

Applications

The KONT-1701 is a compact subscriber end equipment designed and optimized to provide superfast data connection to the subscriber. The KONT-1701 has one 10/100/1000 Base-T port that can be used to provide high speed data, voice and video services. The KONT-1701 supports a wire speed data interface that supports advanced L2 and VLAN features for providing rate and priority controlled high speed internet access. To enable VoIP access, KONT-1701 supports interfacing external IAD box or home router with voice capability through the Ethernet interface. KONT-1701 supports IPTV delivered in the form of data multicast or unicast.

High Bandwidth

The KONT-1701 is IEEE 802.3ah compliant with a 1Gb/s upstream and 1 Gbps downstream speeds

Ethernet Quality of Service

The KONT-1701 has extensive Ethernet QoS features, including MAC flow control, Priority to Queue mapping, Traffic can be controlled in the upstream as well as downstream.

Small form-factor

A space conscious package for simplified wall or table mounting.

Flexible Management

The KONT-1701 is managed from KOLT Series. The KOLT in turn is managed with either Khwahish Element Management System (KEMS) that provides configuration, profile based provisioning, event and fault management and performance monitoring for the KONT,

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