



mT2a PowerBroadband Ethernet^{XD}

Line powered, high speed network purposefully designed for hospitality

Guest Satisfaction

Guest satisfaction means supplying the at-home experience where everything is set just the way the guest wants it. With no power supply to lose or unplug; Ethernet^{XD} reduces time spent troubleshooting a guest connection and features the highest availability in-room Internet access. mT2 eliminates the problems commonly found with xDSL systems.

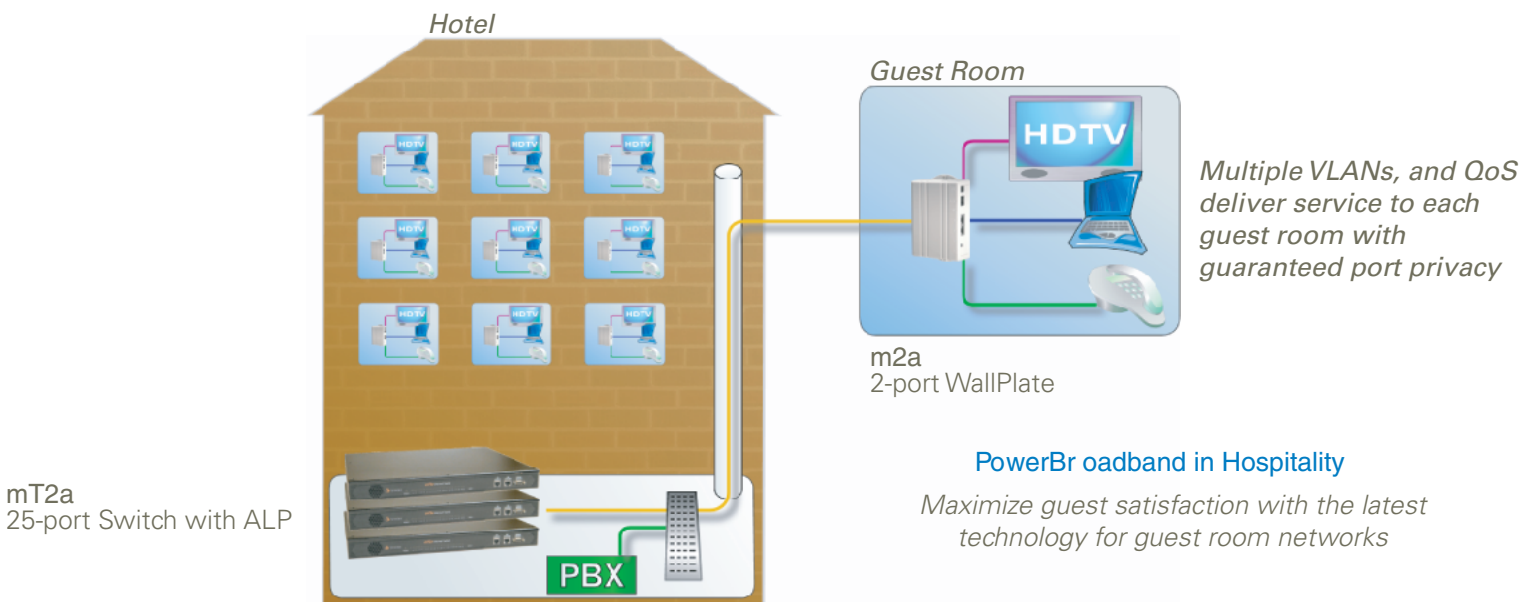
Fast installation

Different hotel room configurations can cause confusion during installation and maintenance. mT2 provides a predictable installation routine to minimize service interruption. Adaptive Line Power (ALP) powers each Wall Plate up to 2,000 ft (600m) over the same wire pair as analog telephone service. Install the network right the first time.

An intuitive webUI provides at-a-glance status of every port and every line. SNMPv2c support easily integrates management of the mT2 into any network management framework.

New revenue

Faster is better when HDTV is the word of the day. Up to 75Mbps bitrate supports new revenue-generating services. Distributed VLANs and intelligent QoS allow the service provider to manage service levels and guarantee security. mT2 features new technology to speed channel change performance, as low as 50msec channel changing in the network.



DATA SHEET

mT2a
PowerBroadband Ethernet^{XD}

mT2a Line Rate (Mbps) *

Distance	1-pair
500ft (150m)	75/9.7
1kft (300m)	77/9.7
1.5kft (450m)	65/9.7
2kft (600m)	60/9.7
3kft (900m)	20/6
4kft (1.2km)	10/6
4.5kft (1.3km)	5/5

* **Line Rate:** mT2 is rate adaptive at all wire lengths. Line rate vary depending on wire type, gauge, distance, number of disturbers, and other factors.

mT2a Switc h

2 x RJ45, 10/100/1000Mbps
2 x RJ21, female telco
1 x dB9, female console port



m2a WallPlate

2 x RJ45, 10/100Mbps
1 x RJ11 Line In
1 x RJ11 filtered phone port



m4a WallPlate

4 x RJ45, 10/100Mbps
1 x RJ11 Line In
1 x RJ11 filtered phone port



m4 Service Unit

4 x RJ45, 10/100Mbps
1 x RJ11 Line In



mT2a PowerBroadband Ethernet^{XD}

25-port mT2a Ethernet^{XD} Switch provide the innovative features required for successful next generation in-room services. Ethernet^{XD} CPEs are available in three configurations with 2 or 4 Ethernet ports, plus choice of installation bracket.

Ethernet^{XD}

Programmable QAM modulation
Automatic power backoff, independent line-rate adaption

POTS splitter Power

Integrated analogue POTS splitter

100 – 240VAC, 50/60Hz; 300 Watts max
with 25 WallPlates powered at 2,000ft (600m)

Management

Access: Serial console, Telnet, Web UI, SNMP v2c standard and enterprise MIB
Security: ACLs, management PVID, multi-level password protected
Syslog server, FTP/TFTP for image and configuration file uploads

Physical

17.25"(43.8mm) x 14.25" (36.1mm) x 1.75" (44mm). 11.5lbs (5.2Kg)
EIA-19 rack mount ears provided

Environment

0 - 50 degrees Celsius, 5% to 90% NC

Compliance

FCC Part 15A, CE, TUV EN60950, IEC60950, RoHS 2002/EC/95

Protocols

802.3x, 802.1P, 802.1Q, 802.1D, 802.1w, 802.1s, TCP/IP protocol suite

IGMP

IGMP v1/v2 Proxy with IGMP Fast Leave, 256 IP Multicast groups

QoS

Static and Dynamic packet classifier; Physical port, 802.1P, IPTOS
Queueing modes: WFQ, Strict Priority, Traffic Shaping
four transmission queues per mode, per port
WRED

VLAN

802.1Q tagged VIDs: 0 - 4094
Port isolation or 802.1Q based VLANs, mixed mode supported
128 concurrent tagged VLAN

Ordering Information

Part Number	RoHS	Description
45025	no	25 port mT2a Ethernet ^{XD} Switch. Compatible with m2a WP, m4a WP, and m4 SU
45125	yes	RoHS compliant version of 45025
45001	no	2 port WallPlate. Backplate open to allow installation over existing RJ11 plate.
45101	yes	RoHS compliant version of 45001
45002	yes	4 port Service Unit. Solid backplate. RJ11 Line-In jack is side mounted. No POTS port
45003	yes	4 port WallPlate. Backplate open to allow installation over existing RJ11 plate.
65601	yes	In-line RJ11 filter, mT2a
65602	yes	In-line pigtail filter, mT2a. 4 unterminated wire leads
65002	yes	12VDC regulated power supply, US
65102	yes	12VDC regulated power supply, Euro
61299	yes	RJ11 telephone cable, 2m



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Motorola Private Broadband Networks, 5200 Franklin Drive, Suite 100, Pleasanton CA 94588
1-800-998-4888 | +925-201-4560 | Fax +925-201-4403 | <http://broadband.motorola.com/business/hospitality>