



Die ITM GmbH

ITM

GESELLSCHAFT FÜR INFORMATIONSTRANSPORT UND -MANAGEMENT MBH

<http://www.itm-group.com>



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ITM GmbH – Partner for communications technology

Wireless-Systems

- Microwave Radio
 - Ethernet 50-800 Mbit/s
 - SDH 155-622 Mbit/s
 - PDH 2-68 Mbit/s
- WLAN up to 108 Mbit/s
- Wireless Infrastructure for Industry, WLL, WiMAX, HotSpot, WLAN
- GPRS serial or Ethernet VPN

Voice & Data over IP

- TDM over IP
- Voice over IP, ISDN over IP
- SS7 over IP

Ethernet-Systems

- Metro Ethernet
- Carrier Ethernet
- MPLS
- Industrial Ethernet
- Enterprise Ethernet
- Network-Security LAN, WAN, WLAN

Multiplexer-Systems

- CWDM-Systems
- DWDM-Systems
- PDH/SDH/ATM multiplexer
- ISDN multiplexer
- Subrate multiplexer
- LWL multiplexer

Data transmission

- Modems 2.4 kbit/s - 22 Mbit/s
- Fiber Optic Modems
- xDSL and IAD Systems
- Systems for Remote Control connections

Converter

- Interface converter
- Media converter
- Protocol converter
- Ethernet converter

ITM GmbH

The ITM GmbH has been successfully active in the voice and data communication branch for many years. Our knowledge of the special requirements, that pertain to transport networks, has made us an attractive partner. This holds especially true in for the energy branch public utility companies that count, in part, as customers for over 20 years.

Furthermore, we have opened up new markets. At the moment, our main point of effort lies together with carriers in the telecommunications and Internet areas, with cities and towns, and with system integrators for corporate networks. We are always prepared to take on new advanced challenges.

For this reason, we have searched the global market for strong partners in order to satisfy the high requirements of our customers. ITM appeared in the market as a complete solution provider in the areas of voice and data communication. We not only support you with our products, but also with careful thought out planning, precise realization, dependable service and far reaching support well out over the date of purchase.



We see the reasons for our success due to our:

- **Philosophy**
- **Strategy**
- **Concept**
- **Task**

Our Philosophy

One of the most important elements of our philosophy is: To identify the future needs of the market. To offer our customers a symbiosis between the best products of well named manufacturers and the service of our highly specialized employees. We must be free from the limited spectrum of individual manufacturers in order to be successful in the high tech market.

We offer our customers (partners) a wide spectrum of delivery and service possibilities. These are synergically put together from the delivery programs of the worlds best manufacturing companies and the market specific know how of our employees. Optimal task solutions, products of the newest technology and highly qualified employees are the tools for our success on the market.

Our Strategy

The success of strategies depends upon how they are truly implemented. When we speak of honesty in this relationship, it may not be standard in the corporate life, but it is honest. Our success is not a secret, but has a clear basis. Our customers experience us as a partner, and as a committed team that fulfill our tasks with honest interest.

We think in the order of “Customer, Employee, and Company.” The highest principle for us is the unity of thinking

and handling. We never want to endanger long-term success because of possible short-term profit. This principle determines our conduct in every phase and in every detail towards our customers and employees. Businesses are the image of the people that carry them, and the culture that created them. If one investigates how our company worked and lived in the past, one can predict, with a good chance, how we will react to future problems and chances. We want to stay faithful to our principles.

Our Concept

The concept for our entire work is the synergetic principle the way we know it from nature: “The well-planned cooperation of well tuned partial systems lead to larger usage that the sum of the service of all the individual systems.” Our results emerge due to this complete overview. In this way, the synergetic cooperation of our employees – their thinking and handling as a team – is a successful concept. Through this concept, we are able to effectively react to all changes in the environment and technology.

Our Task

“Integrated data networks” are the central theme of the task solution. We use them in order to satisfy the special problems and needs in the partnership with our customers. We build the bridge between our customers and the worldwide products offered. Furthermore, we have chosen strong partners on the world market that fulfill the highest requirements. The key to the correct solution lies in the simple, transparent presentation of these complex tasks.



ITM Services

ITM Service spec	Extended Warranty	Hotline Service	Advanced Service	Full Service 5*8h	Full Service 7*24h
Extended Warranty	✓		✓	✓	✓
Hotline-Support 5*8 Mo.-Fr. 8.00-18.00h		✓	✓	✓	✓
Hotline-Support 7*24 24h 365 days					✓
Help Desk Ticket tracking	✓	✓	✓	✓	✓
Remote Access		✓	✓	✓	✓
Reaction and repair time Guaranteed time		✓	✓	✓	✓
Spare part stock			✓	✓	✓
On-site Service				✓	✓
Documentation		✓	✓	✓	✓
Information service Technotes and Newsletter		✓	✓	✓	✓



Products

1. Wireless Systems

- 1.1. 50-800 Mbit/s
Fast Ethernet /
Gigabit Ethernet
Microwave Radio
- 1.2. 155-622 Mbit/s
SDH-ATM
Microwave Radio
- 1.3. 2-68 Mbit/s PDH
Microwave Radio
- 1.4. Wimax / BWA
- 1.5. Free Space Optics
2-1000 Mbit/s
- 1.6. IEEE 802.11a/b/g/h
WLAN
- 1.7. OFDM 54 Mbit/s WLAN
5,4 GHz
- 1.8. GPRS Serial or
Ethernet VPN

2. Voice & Data over IP

- 2.1. TDM over IP
- 2.2. Corporate VoIP
- 2.3. Carrier VoIP
- 2.4. VoIP Gateways
- 2.5. VoIP Gatekeeper
- 2.6. VoIP Telephones
- 2.7. ISDN-over-IP

3. Ethernet Systems

- 3.1. Metro Ethernet
- 3.2. Carrier Ethernet
- 3.3. MPLS
- 3.4. Enterprise Ethernet
- 3.5. Industrial Ethernet
- 3.6. Firewalls
- 3.7. VPN Gateways
- 3.8. HotSpot Gateways

4. Multiplexer-Systems

- 4.1. CWDM-Systems
- 4.2. DWDM-Systems
- 4.3. PDH/SDH-Multiplexer
- 4.4. ATM-Multiplexer
- 4.5. ISDN-Multiplexer
- 4.6. IP-Multiplexer
- 4.7. Inversmultiplexer
- 4.8. Voice-/Data multiplexer
- 4.9. Fiber Optic multiplexer
- 4.10. Private Centrex

5. Testing and Measurement

- 5.1. WDM measurement and
documentation
- 5.2. Ethernet
 - 5.2.1. Network analysis
 - 5.2.2. Traffic Generator
- 5.3. SDH/PDH
- 5.4. Serial interfaces

6. Data transmission

- 6.1. 2-wire Modems
- 6.2. 4-wire Modems
- 6.3. FO Modems
- 6.4. Modemracks
- 6.5. xDSL (ADSL, SDSL,
HDSL, G.SHDSL...)
- 6.6. wDSL Wireless Local Loop
- 6.7. Systems for Remote
Control connections

7. Converter

- 7.1. Interface converter
- 7.2. Datarate converter
- 7.3. ATM converter
- 7.4. Fiber Optic converter
- 7.5. Ethernet converter



Our partners



Voice and data communication



Ethernet and SDH microwave radio

Carrier-Class SDH and Carrier Ethernet Systems



CWDM and DWDM-Systems

Industrial Ethernet



PDH microwave radio, SDH multiplexers



Wireless Access



Multiservice Access



Dr. Neuhaus

GPRS/EDGE/UMTS modems



Transport-Platforms for Data, Voice, Video etc.

Unified Threat Management



Voice over IP



G.SHDSL-Systems



Pluggable Optics



Carrier Ethernet Access and Aggregation



Ethernet FTTx systems



Equipment for Test and Measurement



VoIP Gateways



Our customers



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