

Cover Story

Japan launched its world's first commercial-based services for the next generation network, which can provide advanced, diversified services.

Mitsubishi Electric has developed devices and systems used in wired- and wireless-communication networks. It now aims to create a society with both vitality and comfort, not only by developing products and providing solutions for the next generation network, but also by promoting technological innovation with aggressive contributions to international standardization activities.

The photos on the front cover are Mitsubishi Electric's representative products related with the next generation network: (1) Reconfigurable optical add/drop multiplexer (ROADM), (2) IP-Set Top Box (IP-STB), (3) Optical network unit which is installed in each subscriber's house (GE-PON ONU), (4) Optical line terminal which is installed in a central office (GE-PON OLT), and (5) Wavelength division multiplexing (WDM) system that supports large-capacity and long distance transmission.

(1) (Upper left): ROADM system

(2) (Upper right): IP-Set Top Box (IP-STB)

(3) (Middle): Optical network unit for subscriber circuit (GE-PON ONU)

(4) (Lower left): Optical line terminal for subscriber circuit (GE-PON OLT)

(5) (Lower right): WDM system

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CONTENTS**Technical Reports**

Overview 1
by *Masatoshi Kato*

WDM for Next Generation Network 2
by *Yojiro Osaki and Toshiya Morita*

Next Generation Optical Transport Technology 6
by *Hiroshi Ichibangase and Kuniaki Motoshima*

Optical Access System for Next Generation Network 10
by *Ken Murakami and Kazuumi Koguchi*

Technologies for Next Generation Home Networking 14
by *Koji Sato and Tetsuya Yokotani*

Technologies for Next Generation Optical Access Network 18
by *Yoshifumi Hotta and Seiji Kozaki*

Optical Network Systems for Overseas Market 22
by *Toshimichi Kida and Sophie Pautonnier*